

# ROOFING TILE

A Detailed Reference  
for Architects' Use

Compliments  
**LUDOWICI-CELADON COMPANY**  
Chicago, Illinois

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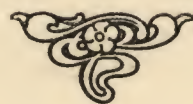
HORACE WHITE,  
TILE ROOFING  
848 HOWARD AVE. PHONE MAIN 2771  
NEW ORLEANS, LA.

EDMUND B. MASON,  
ARCHITECT

# ROOFING TILE

*A Detailed Reference  
for Architects' Use*

THIS BOOK IS AN ILLUSTRATED TECHNICAL  
PRESENTATION OF VARIOUS FORMS OF  
ROOFING TILE, TOGETHER WITH NECESSARY  
DATA ON TILE ROOFING CONSTRUCTION



**LUDOWICI-CELADON COMPANY**  
OF CHICAGO

GENERAL OFFICES: MONROE BUILDING, CHICAGO, ILLINOIS

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BOSTON - - - - - Old South Building  
PHILADELPHIA - - - - - Weightman Building

WASHINGTON - - - - - Union Trust Building  
PITTSBURG - - - - - Park Building  
CLEVELAND - - - - - Hippodrome Building

KANSAS CITY - - - - - Grand Avenue Temple  
MINNEAPOLIS - - - - - Plymouth Building  
ST. LOUIS - - - - - Pierce Building

HORACE WHITE,

TILE ROOFING

848 HOWARD AVE.      PHONE MAIN 2771  
NEW ORLEANS, LA.

CCV4078



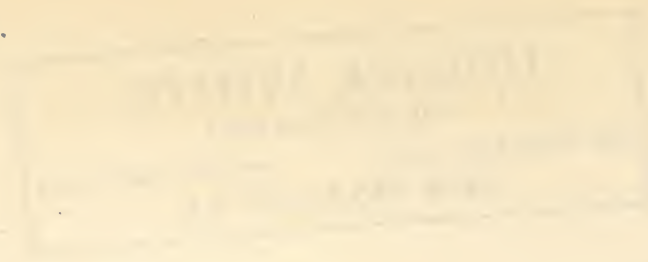


## TO ARCHITECTS AND ENGINEERS

The details of tile and metal treatments grouped in this book are necessarily limited to those covering methods of construction usually found in our work.

We solicit the opportunity during the preparation of your plans to suggest or detail tile treatments for special forms of construction, with a view of allowing the use of stock materials for decks, etc., and to eliminate the need for providing special tiles at an increased expense.

While an attempt has been made to have the proper trimmings, etc., in sequence following the tile pattern, some departure has been necessary and an index has been arranged to which we refer you.



*[Faint, illegible text block in the center of the page, possibly a letter or document body.]*



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## SUGGESTIONS FOR SPECIFICATIONS

All pitched roofs shall be covered with (*Insert name of Pattern of tile wanted*) Tiles, made by Ludowici-Celadon Company, with stock fittings suitable for each pattern as shown on the following pages; all hip and valley tile to be cut to proper angle (valley tile for roll patterns to be filled) before burning. The tiles as specified above must be of shale, hard burned, of red color, and in accordance with samples deposited in office of the Architects.

**PREPARATION OF ROOF**---Before roofer is sent for, the owner or general contractor shall construct roofs in strict accordance with plans, sheath roofs TIGHT, have all chimneys and walls above roof line completed, have all vent pipes through roofs, furnish all strips of required width used under hip rolls and ridging, furnish all 1 x  $\frac{7}{8}$  inch cant strips used under tile at eaves (if required) and have all scaffolding ready for use of roofers. Metal contractor shall have all gutters in place on roof (gutters, whether box, hanging or secret, to extend over the roof sheathing and cant strip (if cant strip required) and extend under felt and tile at least eight (8") inches) and shall also have in place all valley metal, the width of which must be 24 inches (20 inches on short valleys where conditions are favorable), with both edges turned up  $\frac{1}{4}$ " the entire length of valley. Valley metal must be laid over one layer of felt running lengthwise the entire distance of valley. Metal contractor must have in readiness all flashing metal used along side and in front of dormers, gables, skylights, towers, perpendicular walls, also around vent pipes and chimneys, and place same after arrival of tile roofer and in accordance with requirements of the tiles.

**LAYING OF FELT**---After roofs have been thus prepared to receive felt and tile, tile roofer shall cover sheathing of the roofs with one thickness of asphalt roofing felt, weighing not less than 30 pounds to the square, laying same with a 2 $\frac{1}{2}$ " lap and securing in place with capped nails. Felt shall be laid parallel with eaves and lapped over all valley metal about 4 inches, and laid under all flashing metal and turned up against all vertical walls 6 inches.

**LAYING OF TILE**---The roof having been thus prepared, tile roofer is to fasten tile with copper nails. Roofer shall see that tiles are well locked together and lay smoothly, and no attempt shall be made to stretch the courses. Tile must be laid so that the vertical lines are parallel with each other and at right angles to eaves.

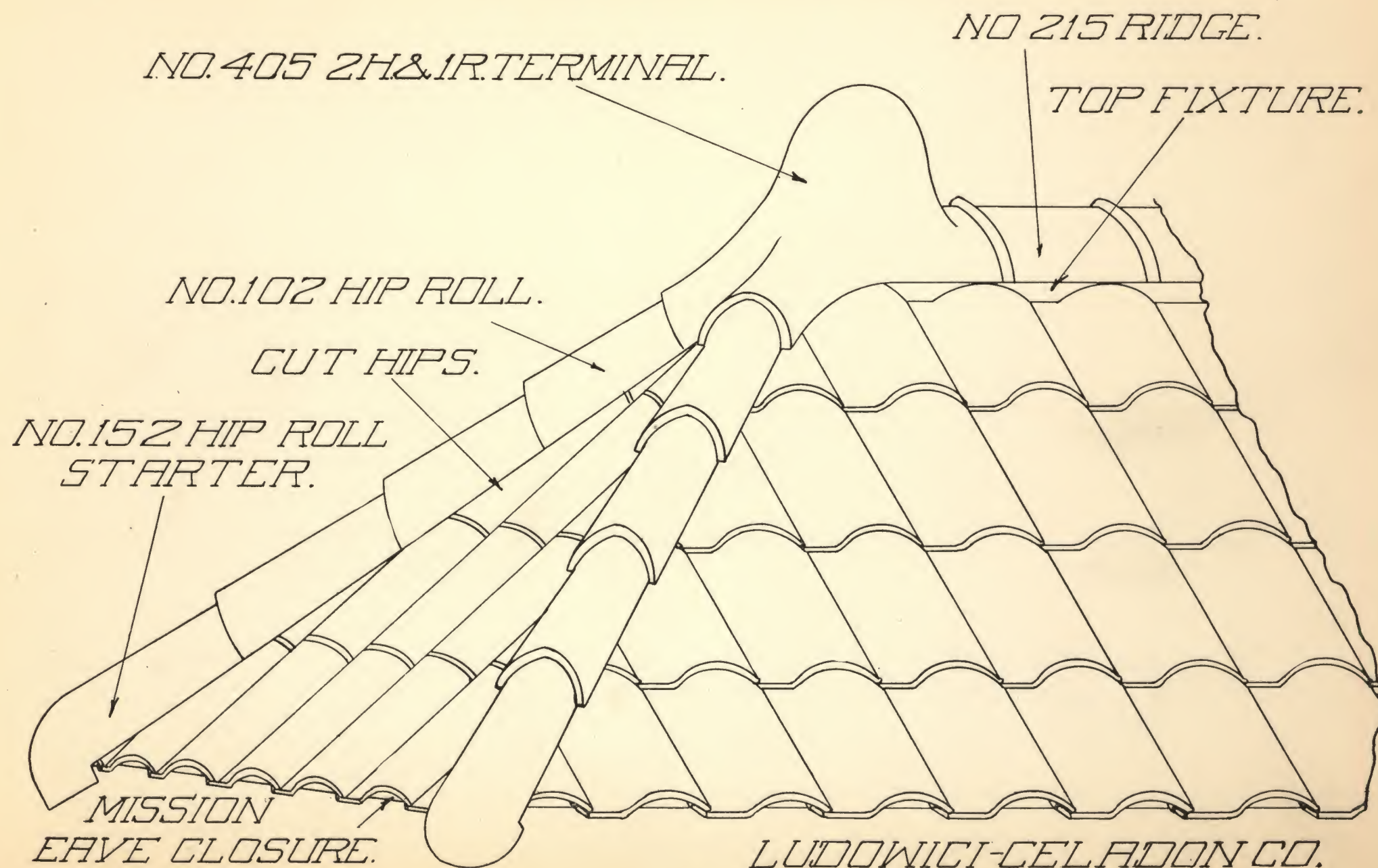
The tiles that verge along hips shall be fitted close against the hip board, and a water-tight joint made by cementing cut hip tile to hip board with good elastic cement. Each piece of hip roll shall then be nailed to hip board, and hip rolls cemented where they lap each other. The interior spaces of hip and ridge rolls must not be filled with pointing material.







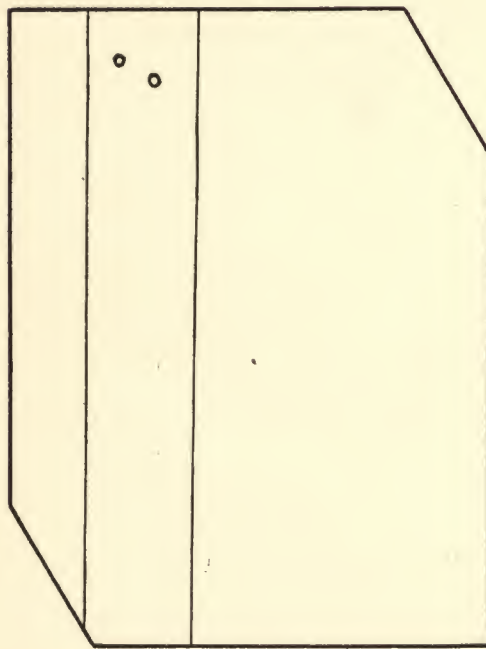
SKETCH OF "IMPERIAL" SPANISH TILE SHOWN WITH  
CUT HIPPS, NO.102 HIP ROLL, NO.152 HIP ROLL STARTERS,  
NO.215 RIDGE AND NO.405 2H&1R TERMINAL.



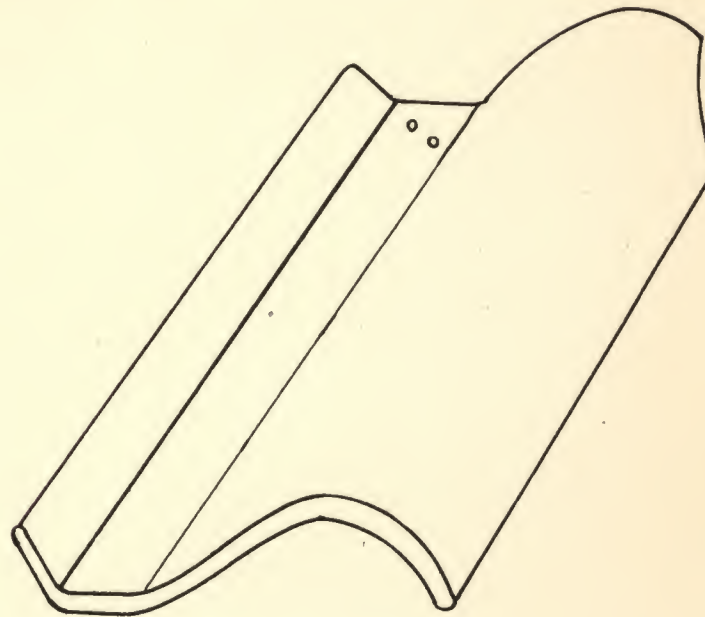




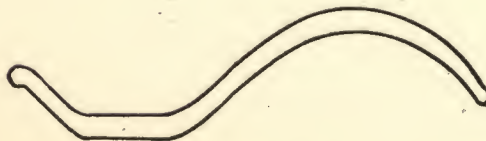
*"IMPERIAL" SPANISH TILE*  
*LUDOWICI-CELADON CO.*  
*SCALE 3" EQUAL 1'-0"*



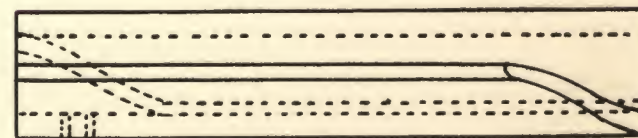
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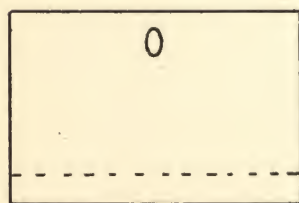


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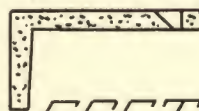




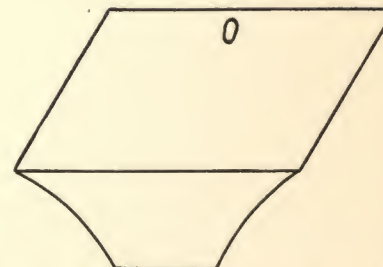
*TOP FIXTURE*  
*FOR*  
*"IMPERIAL" SPANISH TILE*  
*LUDOWICI-CELADON CO.*  
*SCALE 3" EQUAL 1-0"*



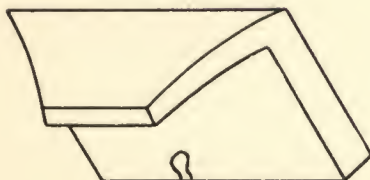
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*SECTION*



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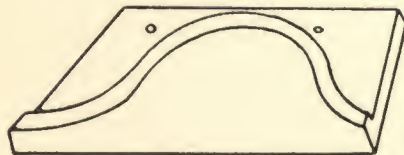


*SKETCH LOOKING UP*

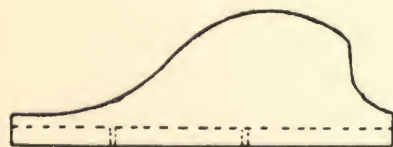




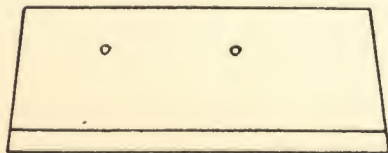
MISSION EAVE CLOSURE DETACHED GABLE RAKE  
 FOR  
 "IMPERIAL" SPANISH TILE  
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 SCALE 3" EQUAL 1'-0"



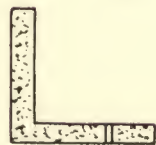
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FRONT



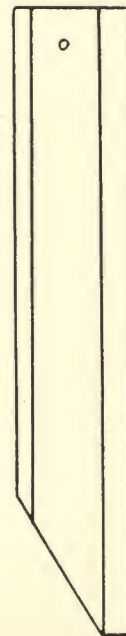
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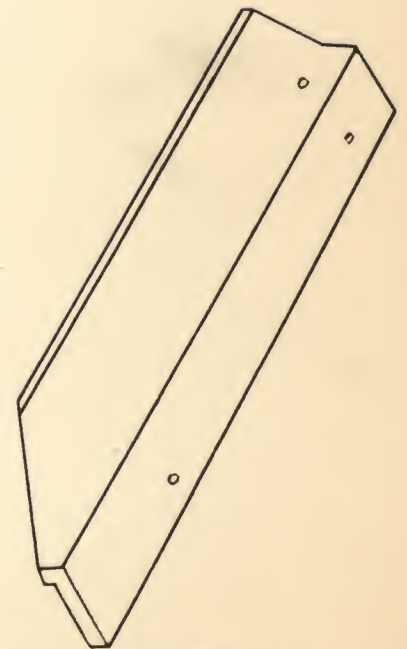
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SECTION



PLAN

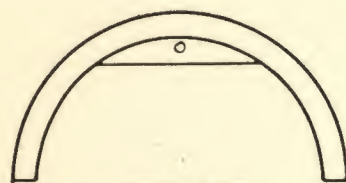


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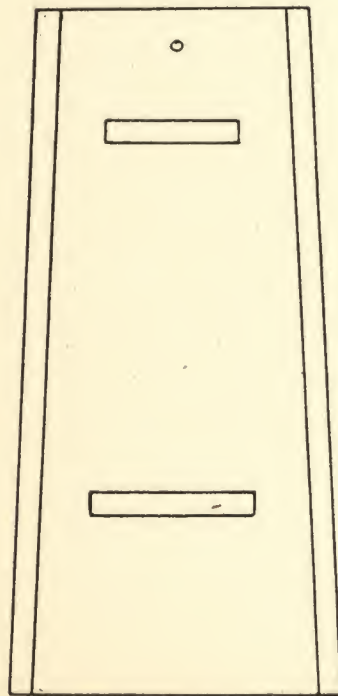




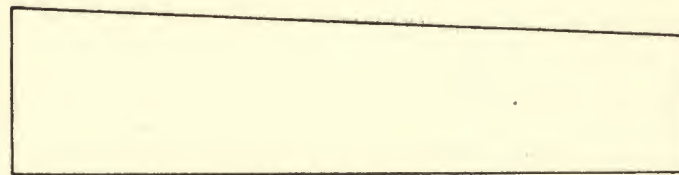
NO. 102 HIP ROLL  
LUDOWICI-CELADON CO.  
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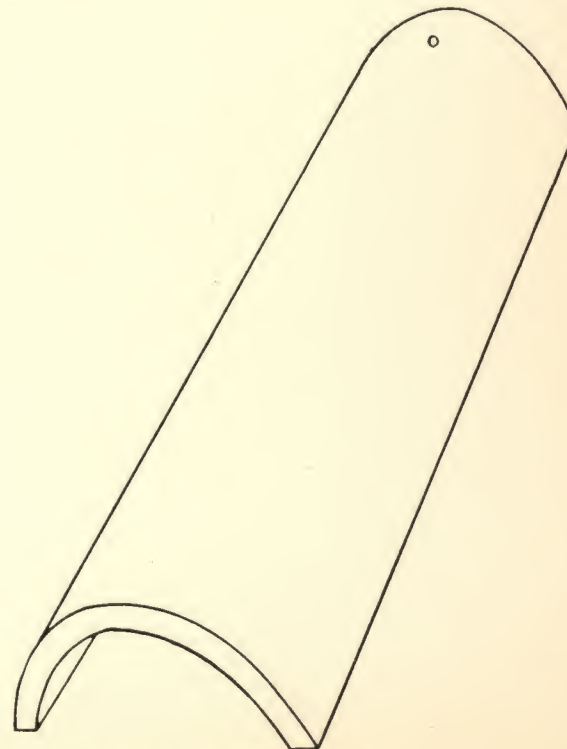
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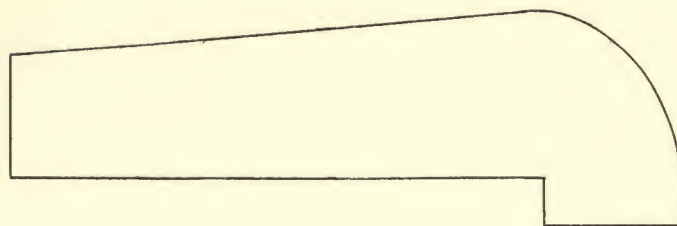




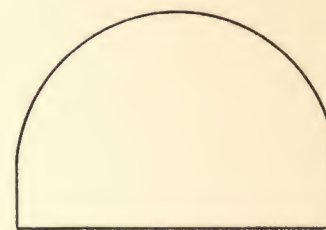
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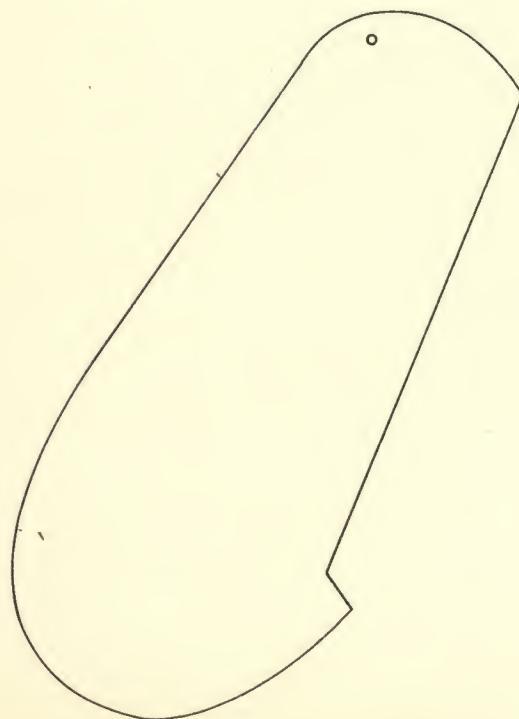
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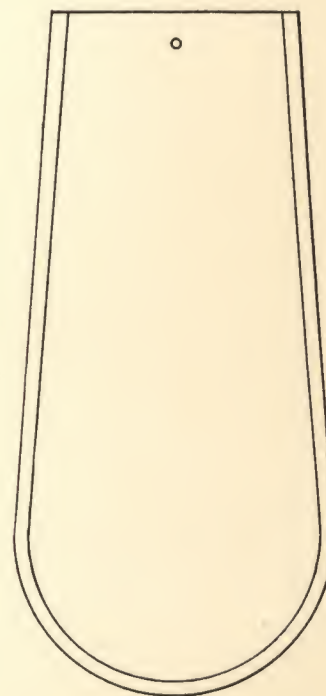
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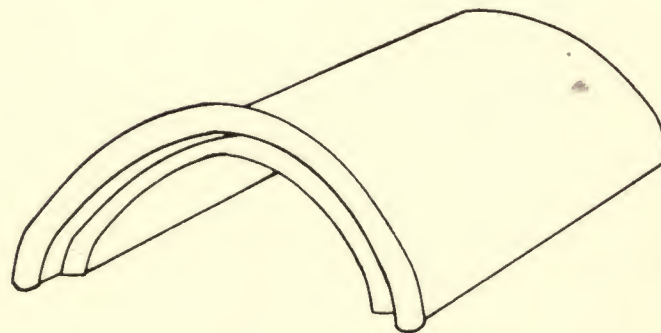


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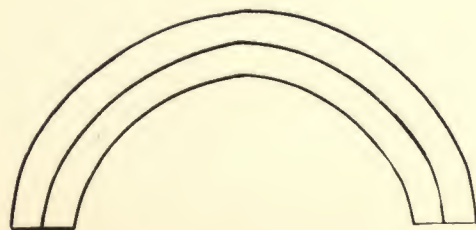




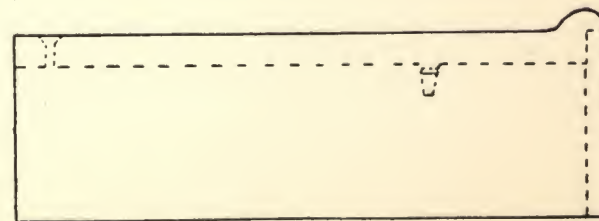
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LUDOWICI-CELADON CO.  
SCALE 3" EQUAL 1'-0"*



*SKETCH*



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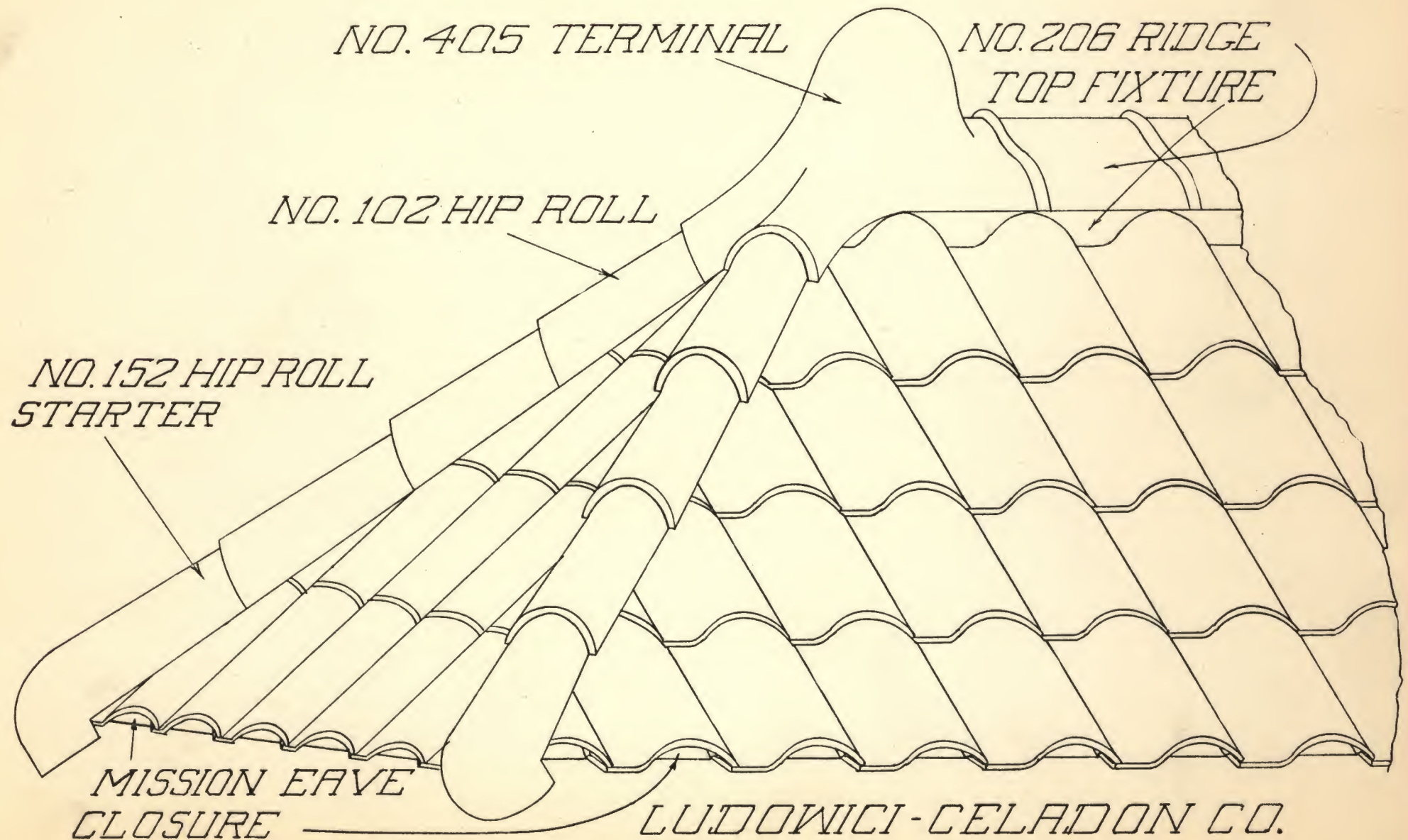


*SIDE VIEW*





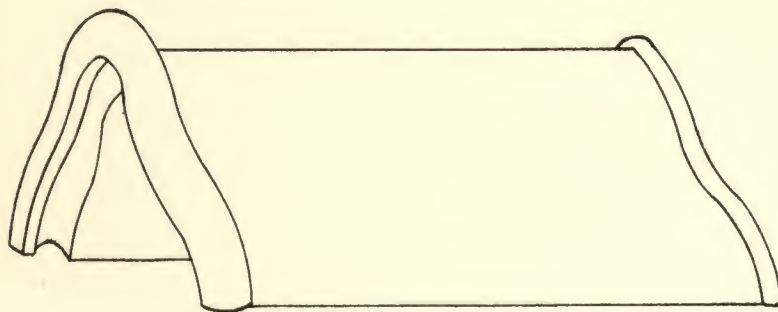
SKETCH OF "IMPERIAL" SPANISH TILE SHOWN WITH CUT HIP,  
 NO. 102 HIP ROLL, NO. 152 HIP ROLL STARTERS, NO. 206  
 RIDGE AND NO. 405 2H&1R TERMINAL.



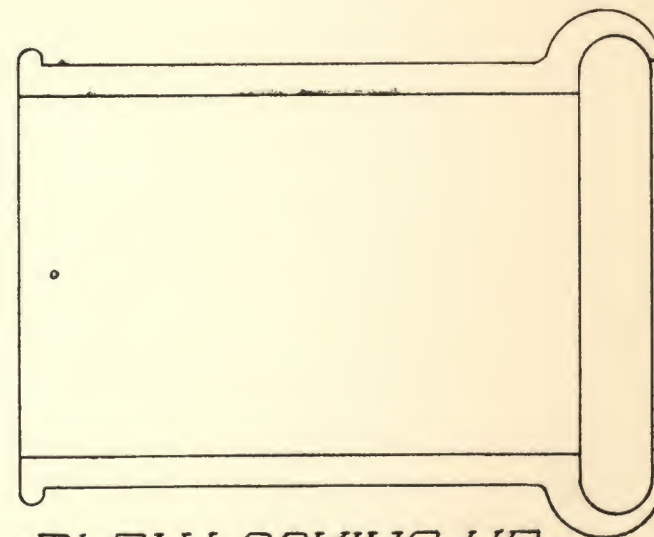




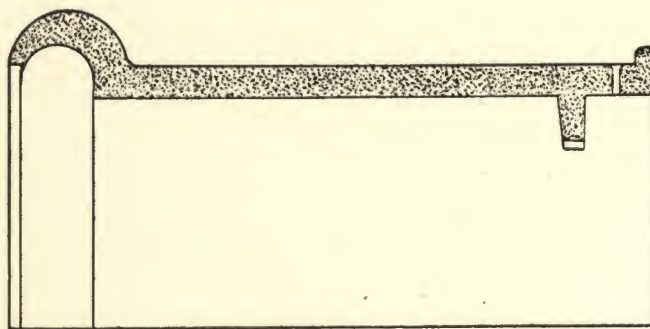
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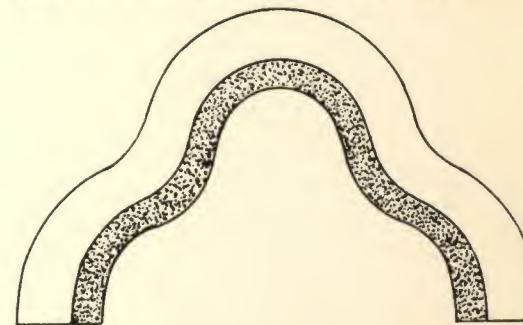
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*PLAN LOOKING UP*



*SECTION*



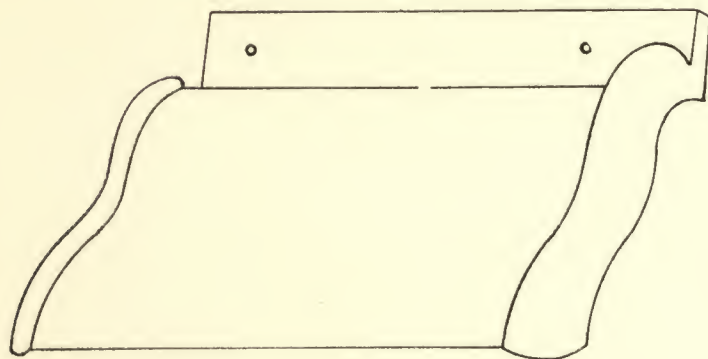
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LIBRARY OF THE  
MUSEUM OF NATURAL HISTORY  
AND  
ZOOLOGY  
OF THE  
CITY OF BOSTON  
1857

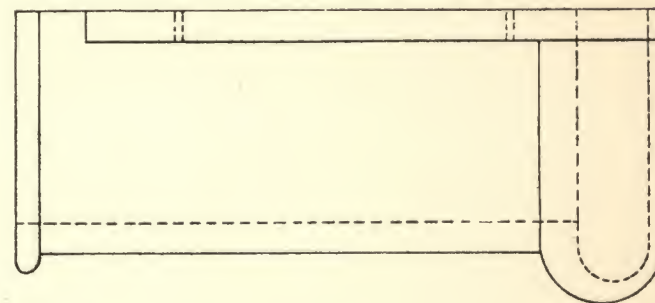




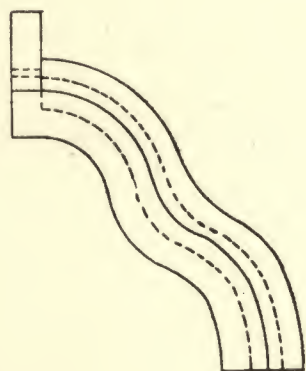
*NO. 206 DECK MOULD RAISED FLANGE*  
*LUDOWICI-CELADON CO.*  
*SCALE 3" EQUAL 1'-0".*



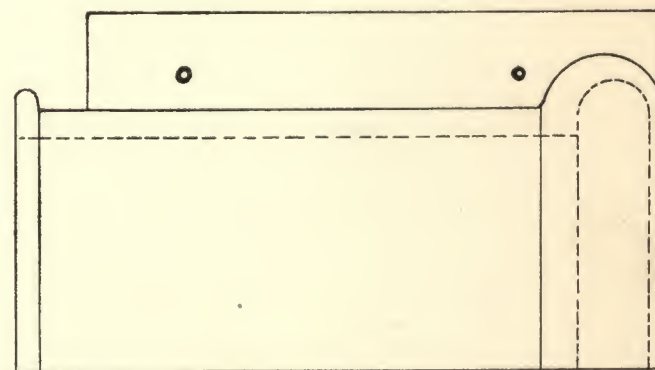
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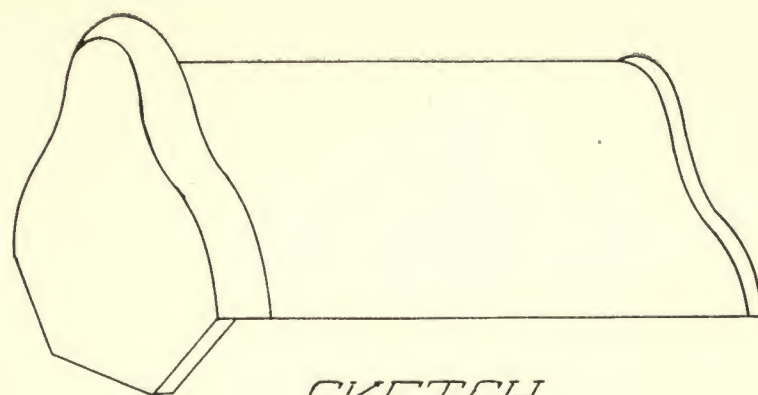
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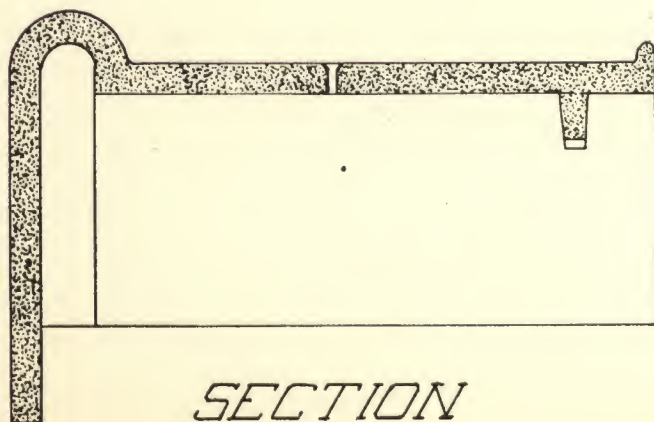
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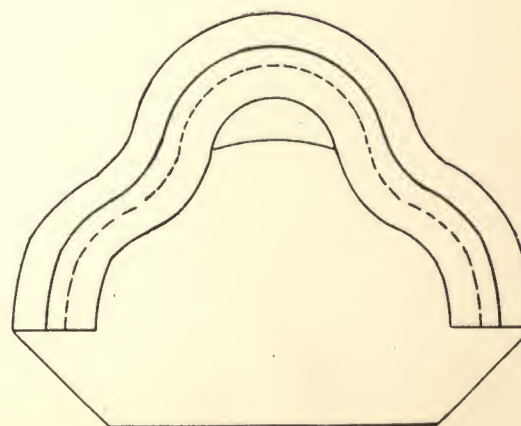
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*SKETCH*



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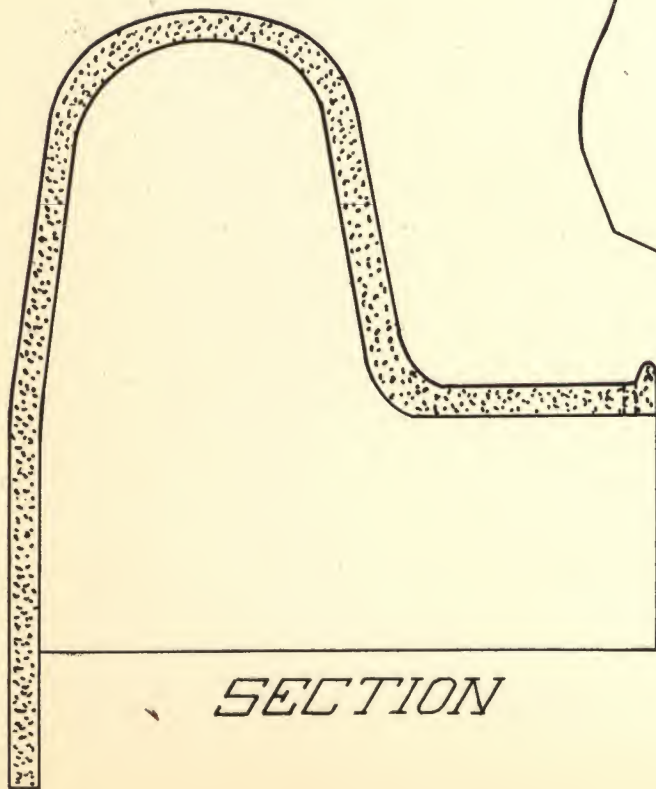


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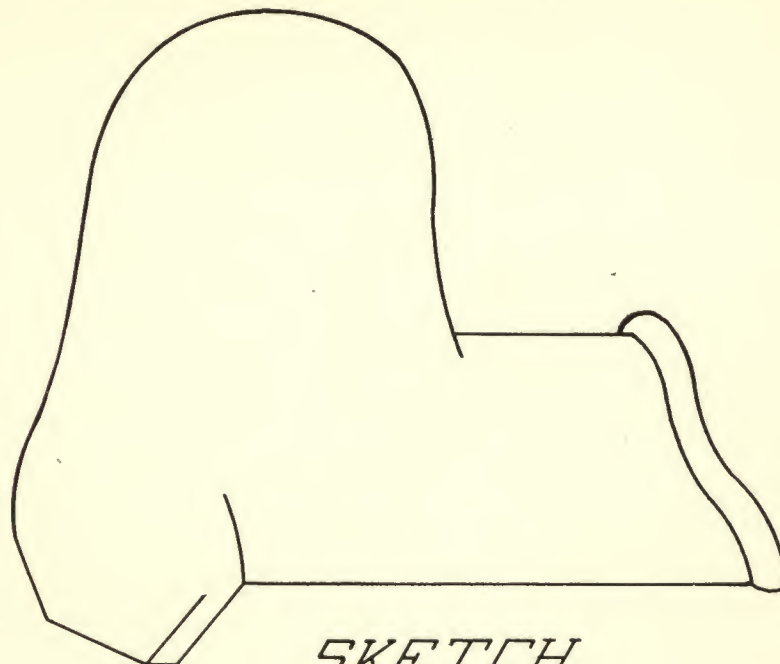




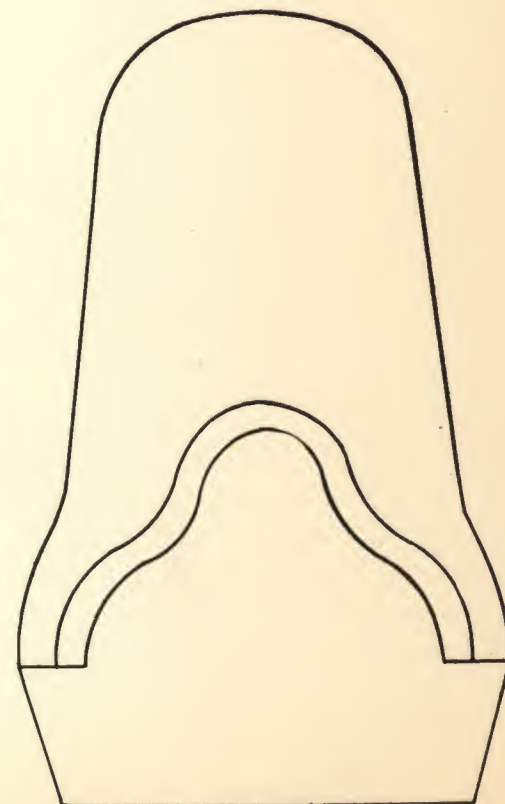
*NO. 406 GABLE TERMINAL  
LUDOWICI-CELADON CO.  
SCALE 3" EQUAL 1'-0"  
FOR NO. 206 RIDGE*



*SECTION*



*SKETCH*

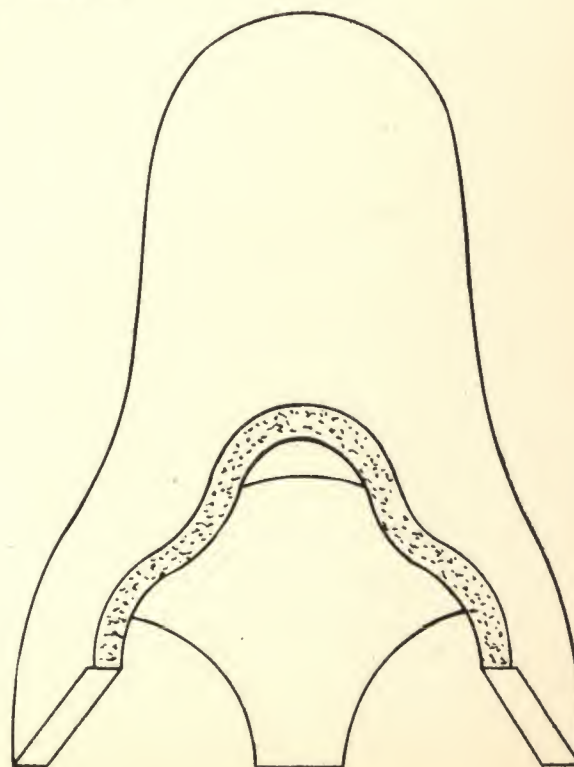
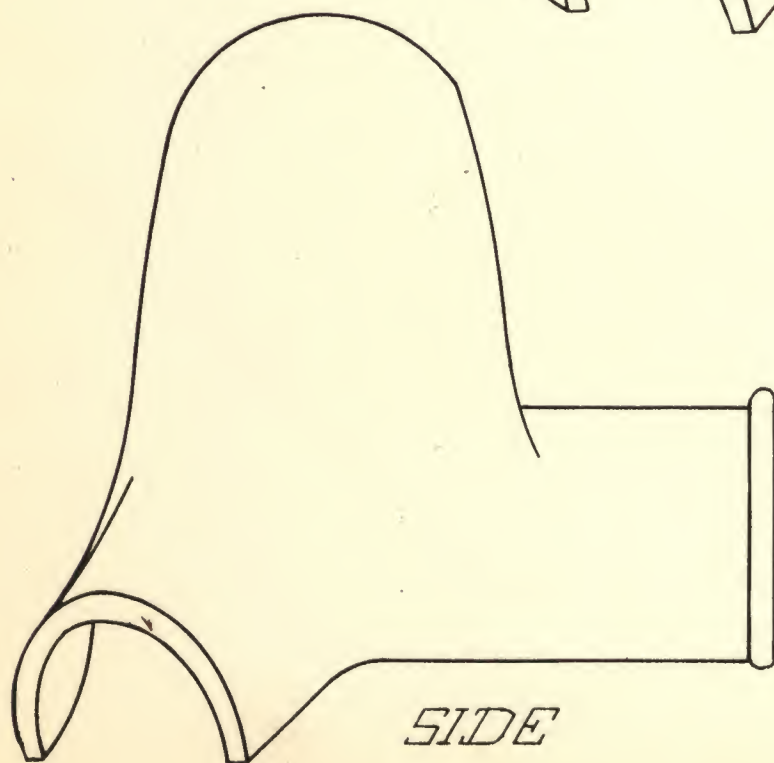
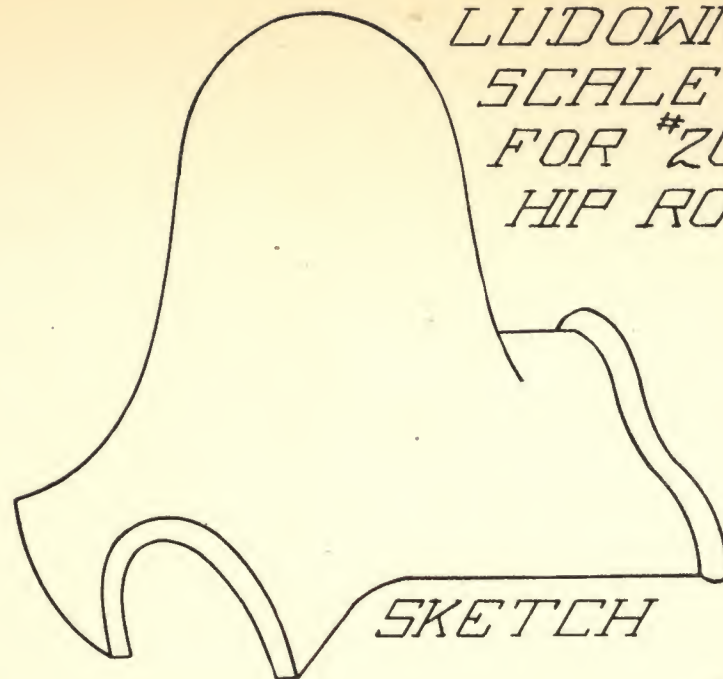


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NO. 405 ZH+IC TERMINAL  
LUDOWICI-CELADON CO.  
SCALE 3" EQUAL 1'-0"  
FOR #206 RIDGE AND #102  
HIP ROLL

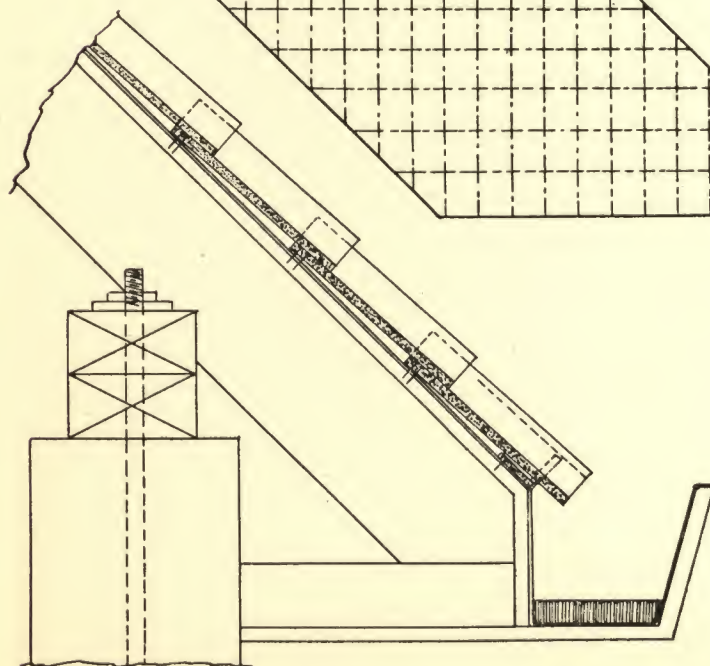
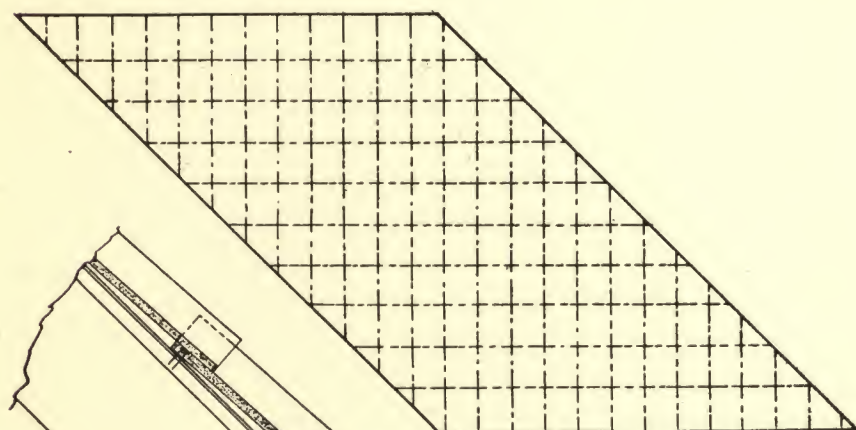
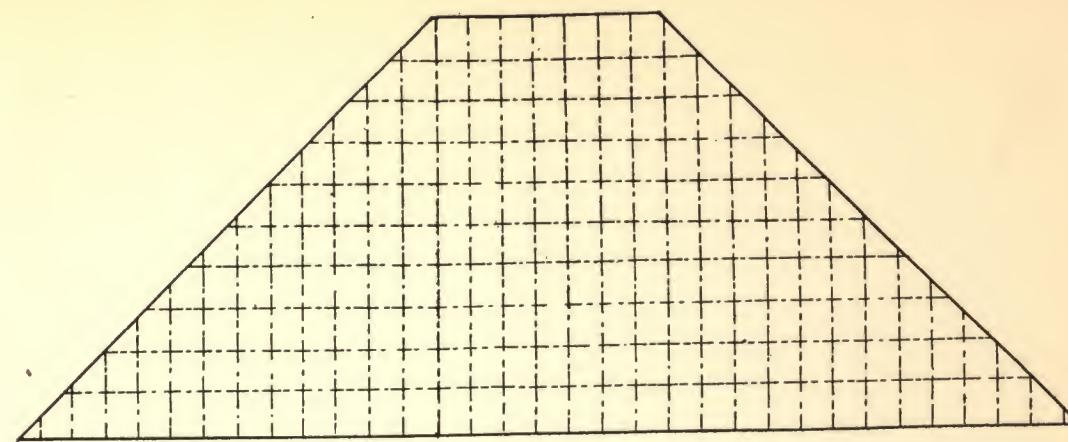
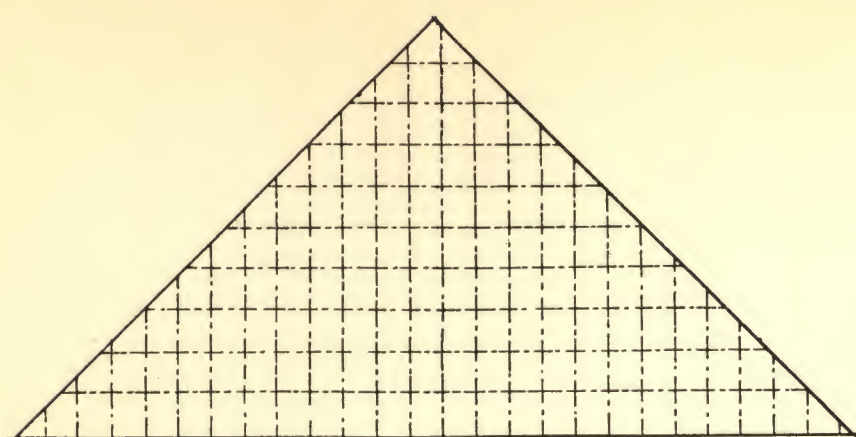


SECTION



THESE SKETCHES WERE MADE BY THE  
ARTIST IN THE YEAR 1840  
AND ARE NOW IN THE POSSESSION OF  
THE NATIONAL ANTHROPOLOGICAL  
ARCHAEOLOGICAL INSTITUTE  
AT WASHINGTON D.C.





These illustrations show the proper method of lining roof for "Imperial" Spanish Tile.

These tile lay approximately  $8\frac{1}{8}$  inches width by  $10\frac{1}{4}$  inches length. However, all shale tile has a range of size according to shade, which must be taken into consideration when lining roof. Therefore spacing must be increased or decreased as the shipment requires, but not so as to stretch the courses.

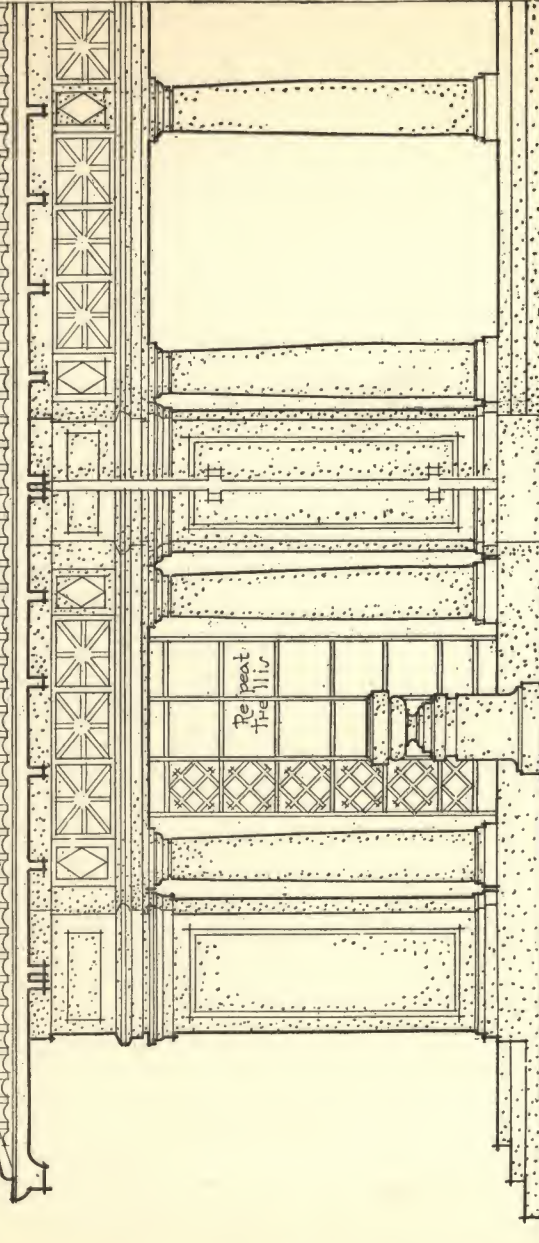
The sectional drawing shows the tile laid in connection with the gutter.



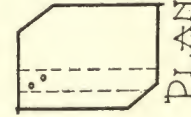
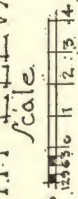


PARK HELLER JACKSON PARK  
CHICAGO-ILL.  
D. H. BURNHAM & CO  
ARCHITECTS

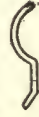
No 405-2H & 1C - Terminal



FRONT ELEVATION

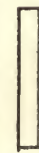


PLAN



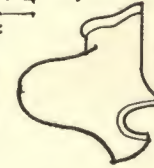
END

SKETCH



SECTION

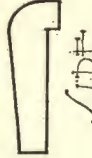
"IMPERIAL"  
SPANISH  
TILE



SKETCH



END



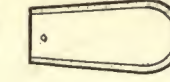
SIDE



SKETCH



END



PLAN

No 152 HIP STARTER



FRONT



SECTION



SIDE



END

No 405-2H & 1C TERMINAL



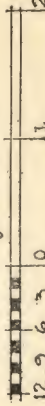
PLAN



SKETCH

MISSION LAVE LOUVER

Scale of Details



LUDOWICI-CELADON COMPANY

DETAILS OF  
"IMPERIAL" SPANISH TILE

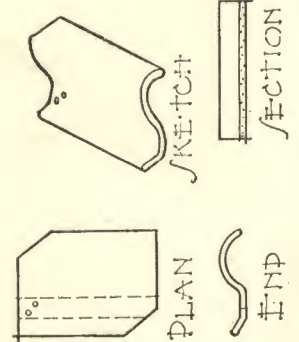
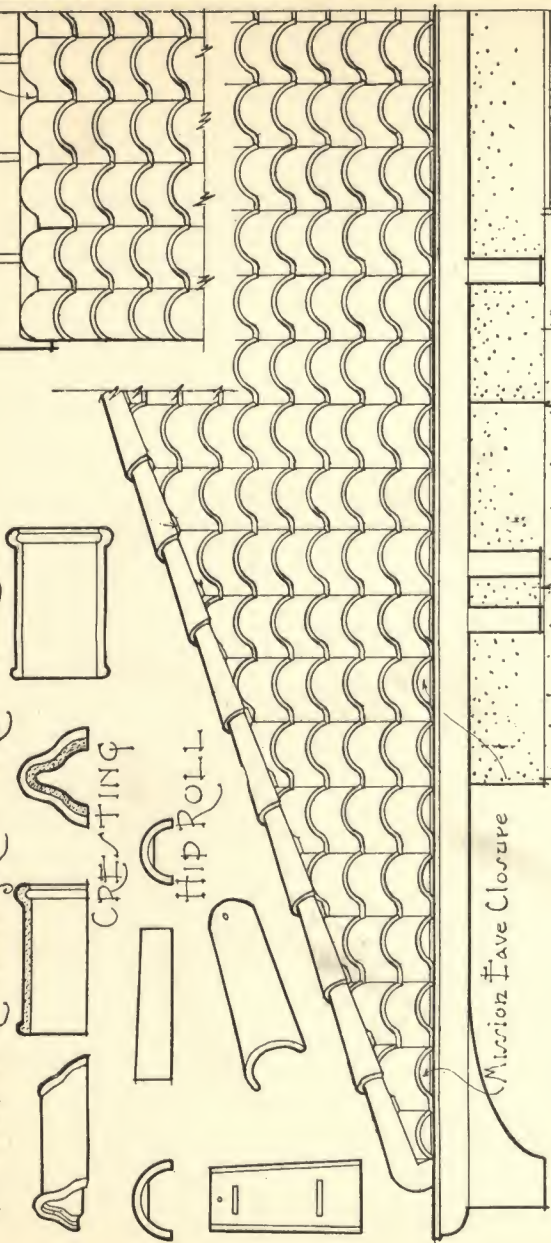
GENERAL OFFICES  
104 South Michigan  
Avenue  
Chicago, Ill.



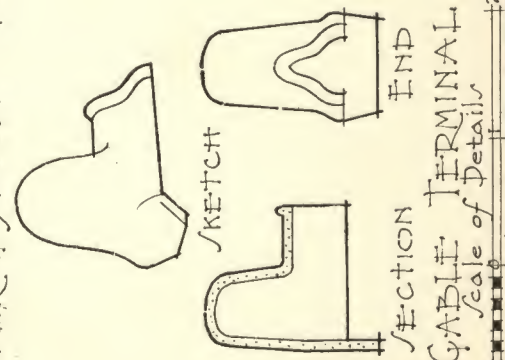




PARK/HELTER JACKSON PARK CHICAGO 14  
D. H. BURNHAM & CO ARCHITECT



IMPERIAL SPANISH TILE



GABLE TERMINAL  
Scale of Details



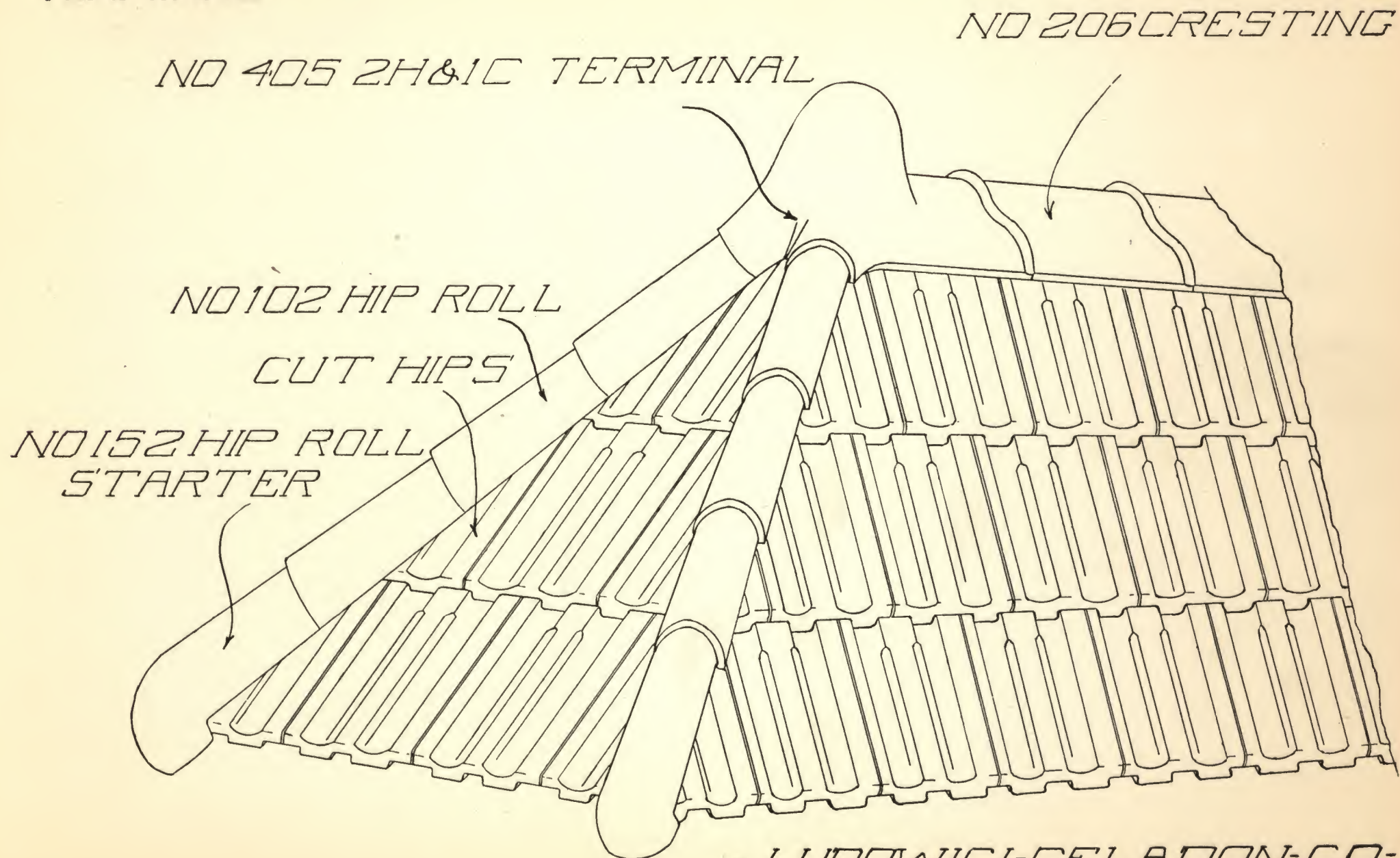
ELEVATION  
Scale 1/2" = 1'-0"

LUDOWICI-CELADON COMPANY  
DETAILS OF  
"IMPERIAL SPANISH TILE"  
MFG'G of  
TERRAZZOTA  
ROOFING TILES  
GENERAL OFFICES  
104 South Michigan  
Avenue, Ill.,  
Chicago, Ill.  
G. Lockhart, Del.





SKETCH OF "IMPERIAL" GERMAN TILE SHOWN  
WITH CUT HIPS, NO. 102 HIP ROLL, NO. 152 HIP ROLL  
STARTERS, NO. 206 CRESTING AND NO. 405 2H&1C  
TERMINAL



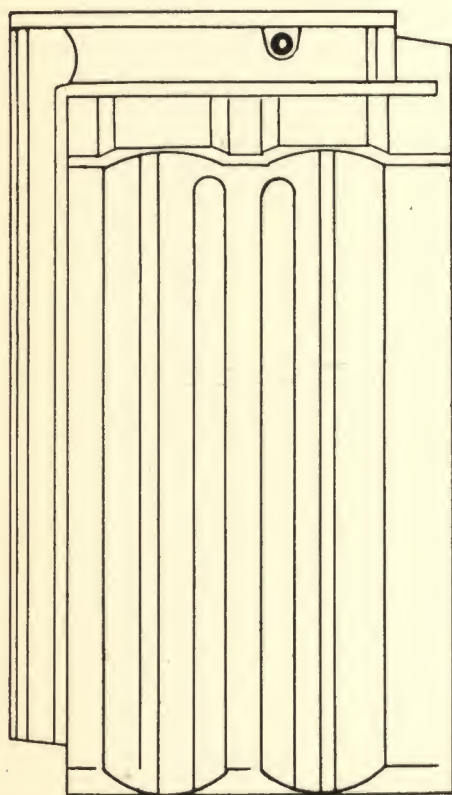




*"IMPERIAL" GERMAN INTERLOCKING TILE*  
*LUDOWICI-CELADON CO.*  
*SCALE 3" EQUAL 1'-0."*



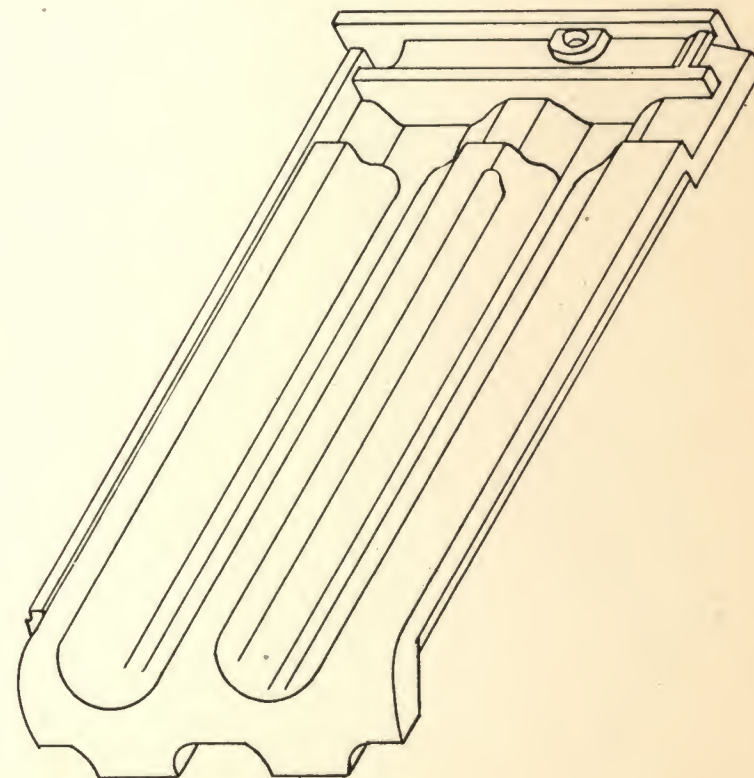
*SECTION*



*PLAN*



*SECTION*

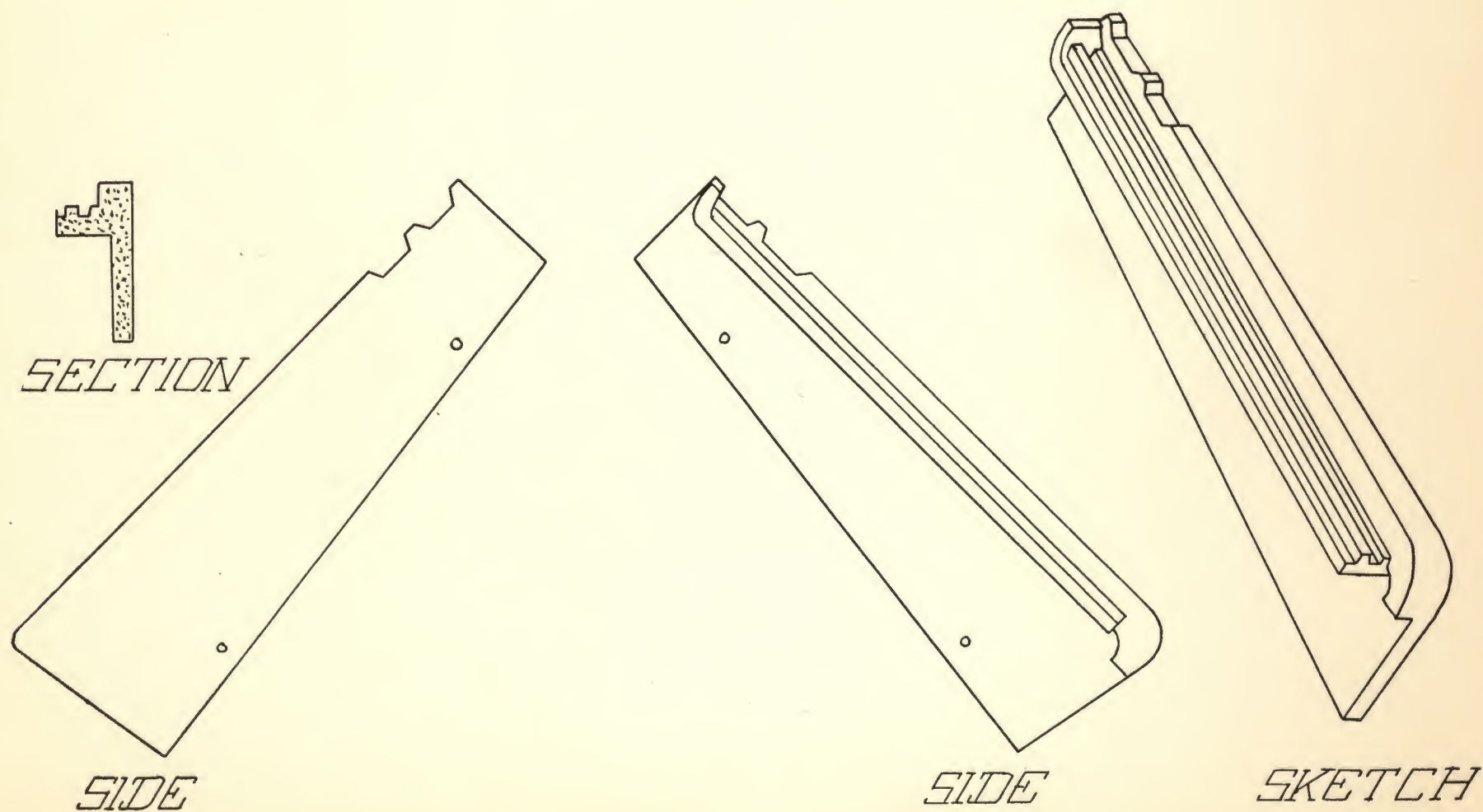


*SKETCH*



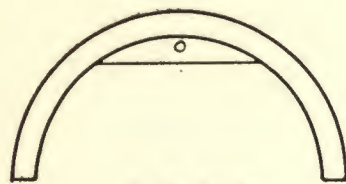


*DETACHED GABLE RAKE  
FOR  
"IMPERIAL" GERMAN INTERLOCKING TILE  
LUDOWICI-CELADON CO.  
SCALE 3" EQUAL 10"*

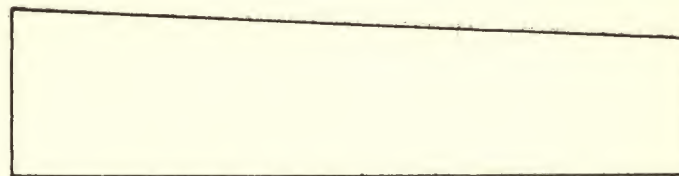




NO. 102 HIP ROLL  
LUDOWICI-CELADON CO.  
SCALE 3" EQUAL 1'-0"



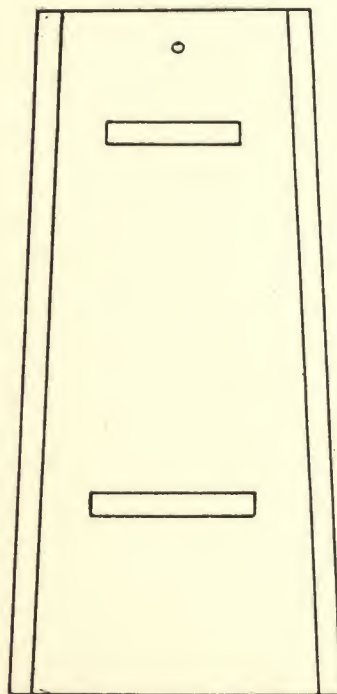
END



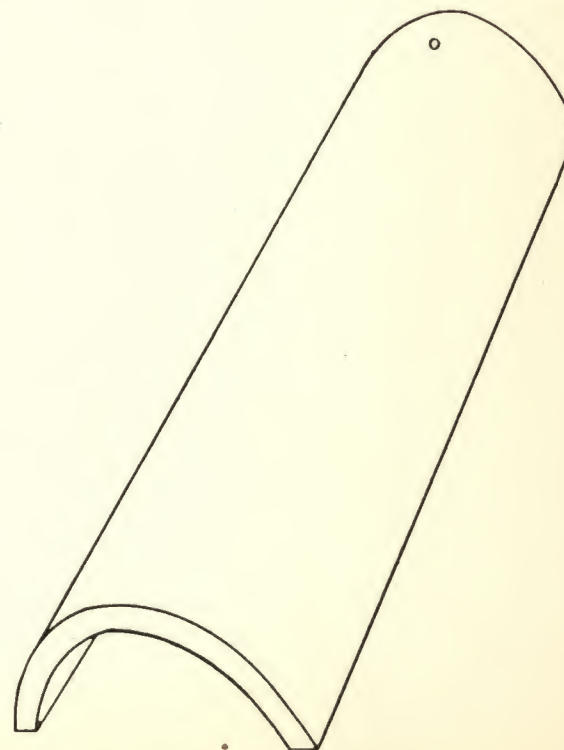
SIDE



END



PLAN



SKETCH

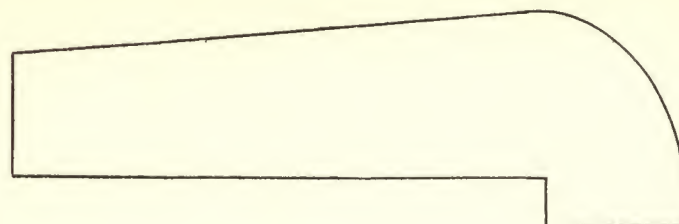




NO. 152 HIP STARTER  
LUDOWICI-CELADON CO.  
SCALE 3" EQUAL 1'-0"



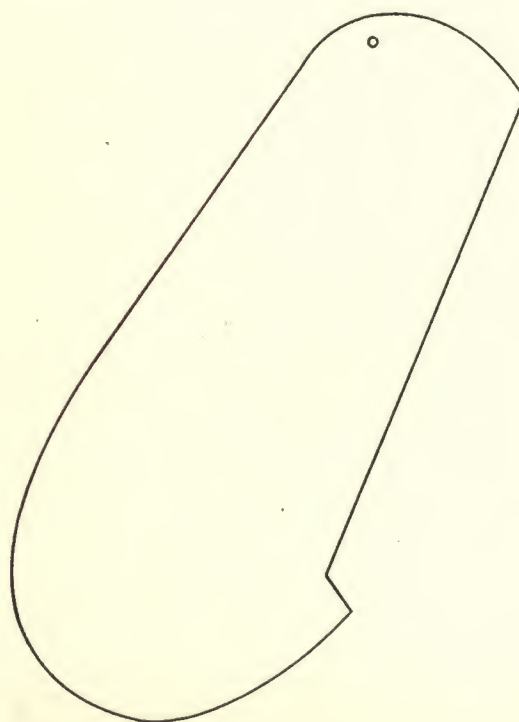
END



SIDE



END



SKETCH

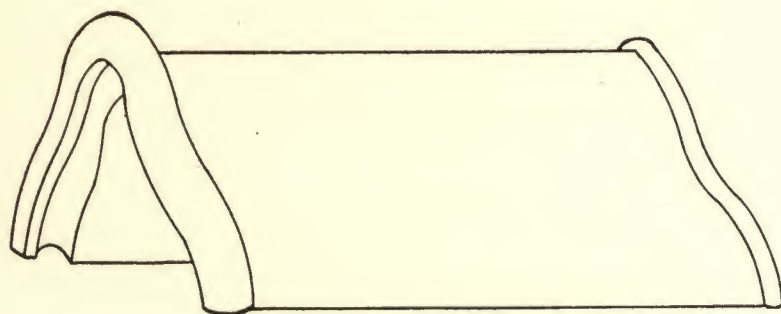


PLAN

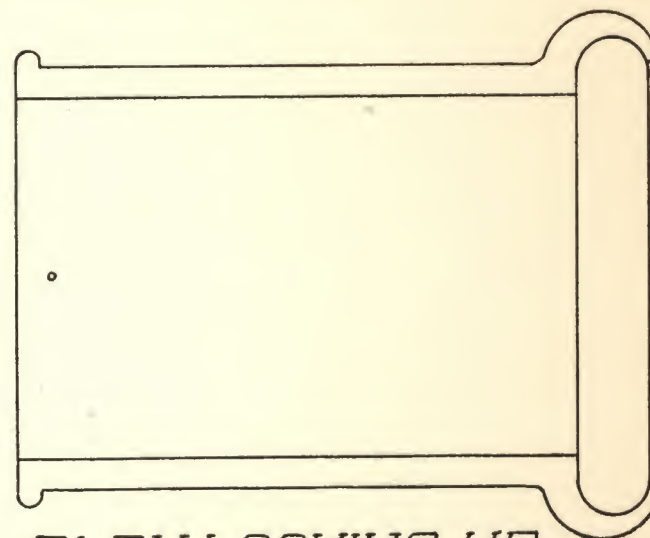




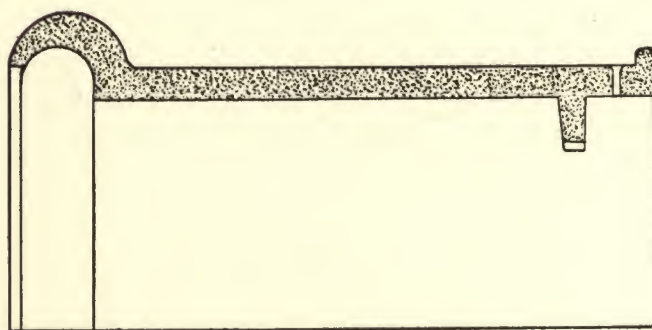
*NO. 206 RIDGE  
LUDOWICI-CELADON CO.  
SCALE 3" EQUAL 1'-0."*



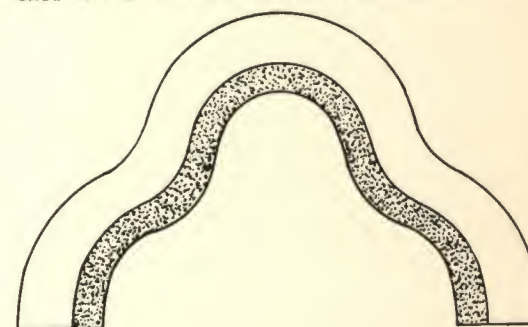
*SKETCH*



*PLAN LOOKING UP*



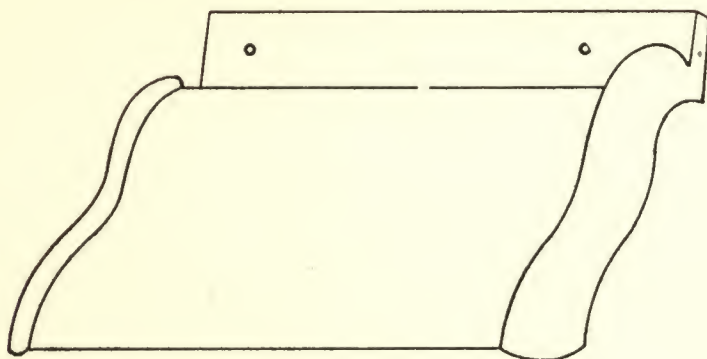
*SECTION*



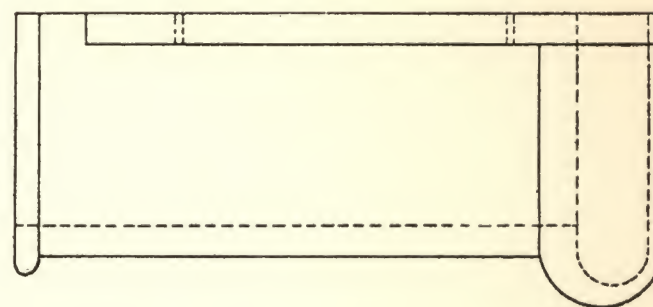
*SECTION*



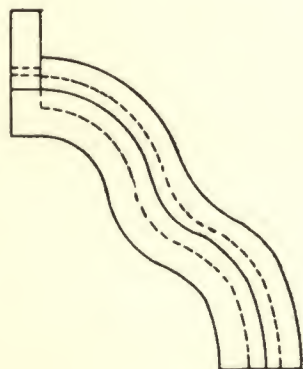
*NO. 206 DECK MOULD RAISED FLANGE*  
*LUDOWICI-CELADON CO.*  
*SCALE 3" EQUAL 1'-0"*



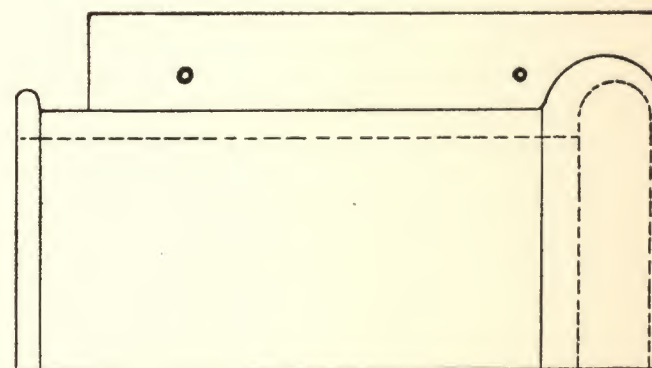
*SKETCH*



*PLAN*



*END VIEW*

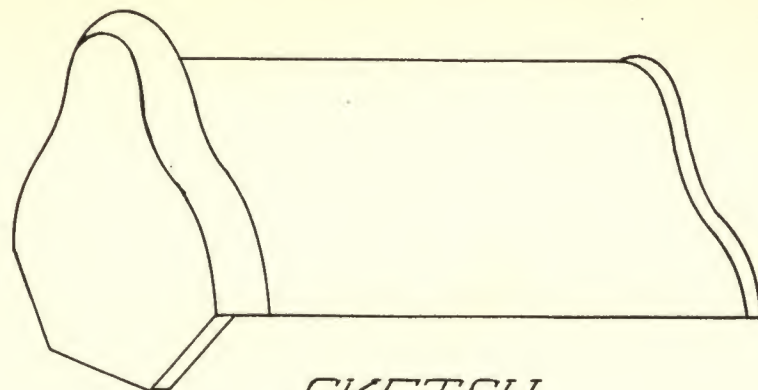


*FRONT VIEW*

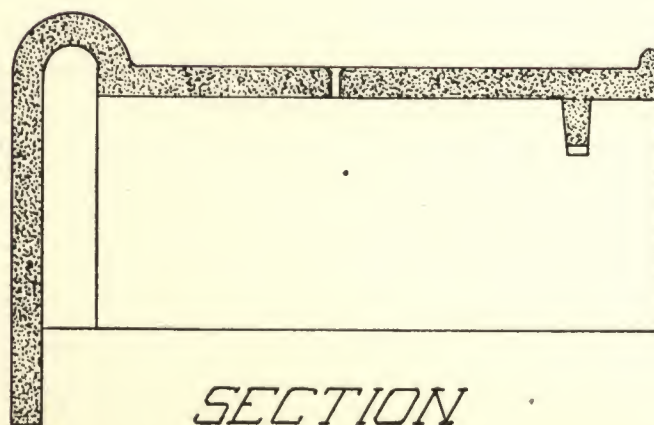




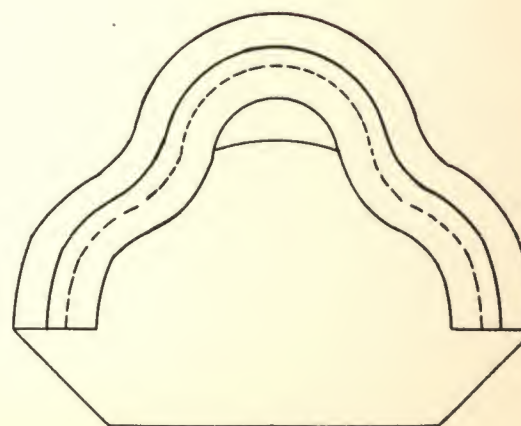
*NO 206 CLOSED RIDGE END  
LUDOWICI-CELADON CO.  
SCALE 3" EQUAL 1'-0"*



*SKETCH*



*SECTION*

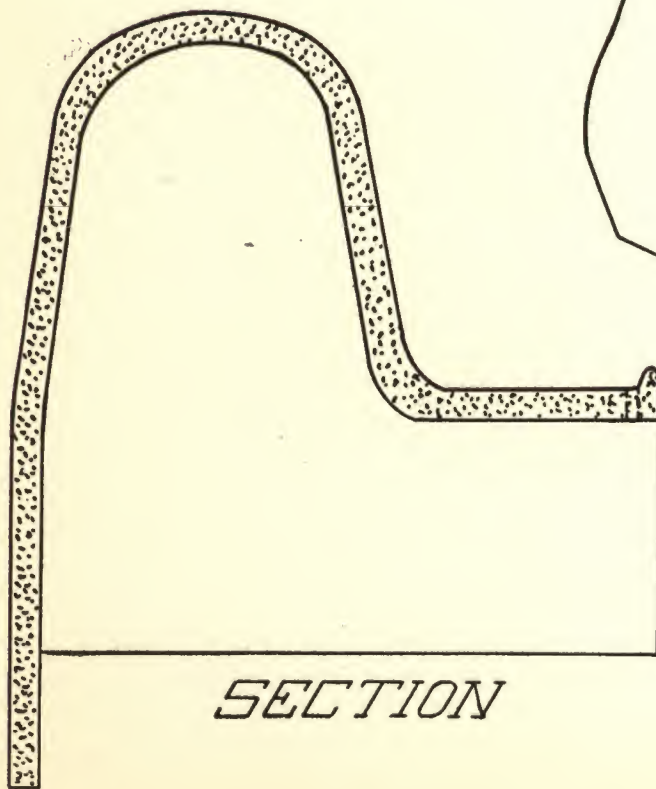


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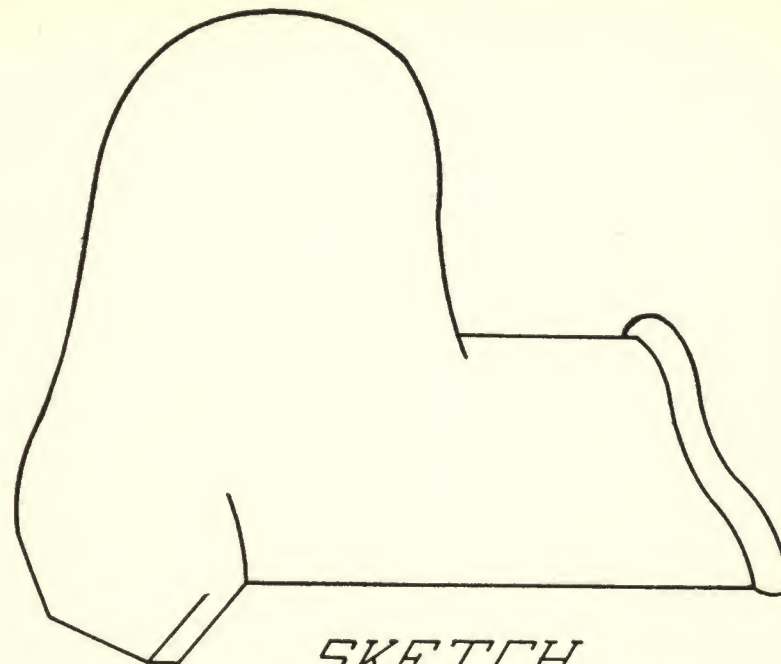




*NO. 406 GABLE TERMINAL  
LUDOWICI-CELADON CO.  
SCALE 3" EQUAL 1'-0"  
FOR NO. 206 RIDGE*



*SECTION*



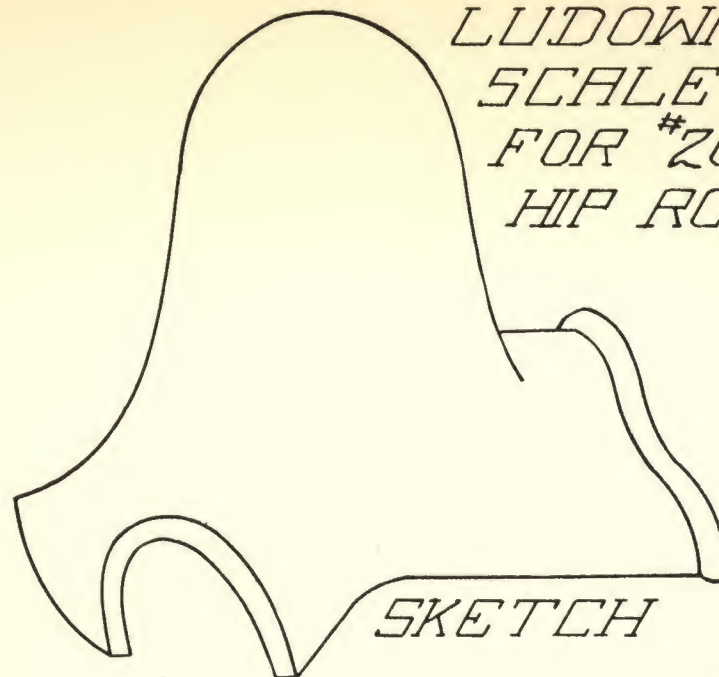
*SKETCH*



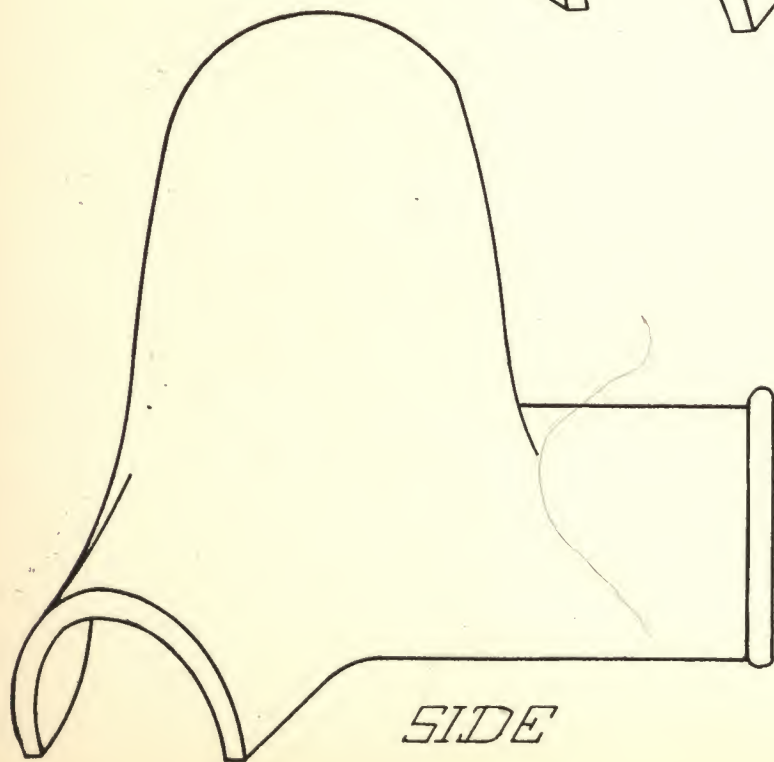
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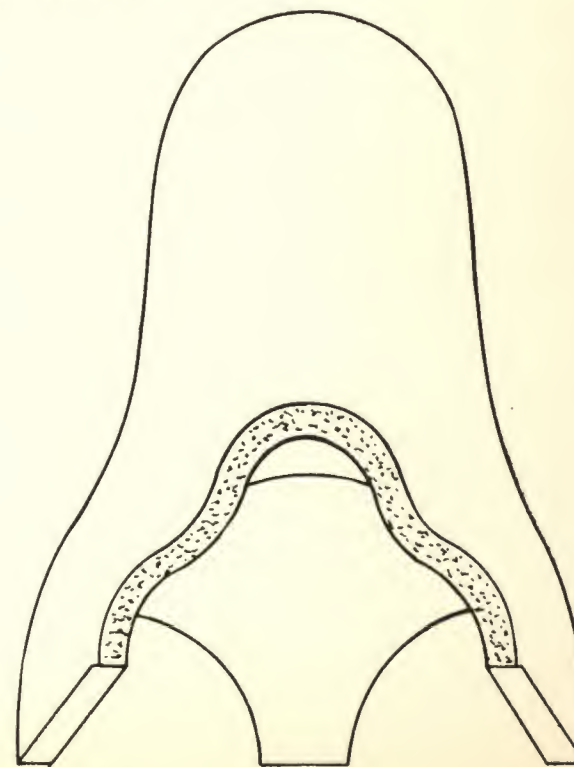
NO. 405 ZH+IC TERMINAL  
LUDOWICI-CELADON CO.  
SCALE 3" EQUAL 1'0"  
FOR #206 RIDGE AND #102  
HIP ROLL



SKETCH



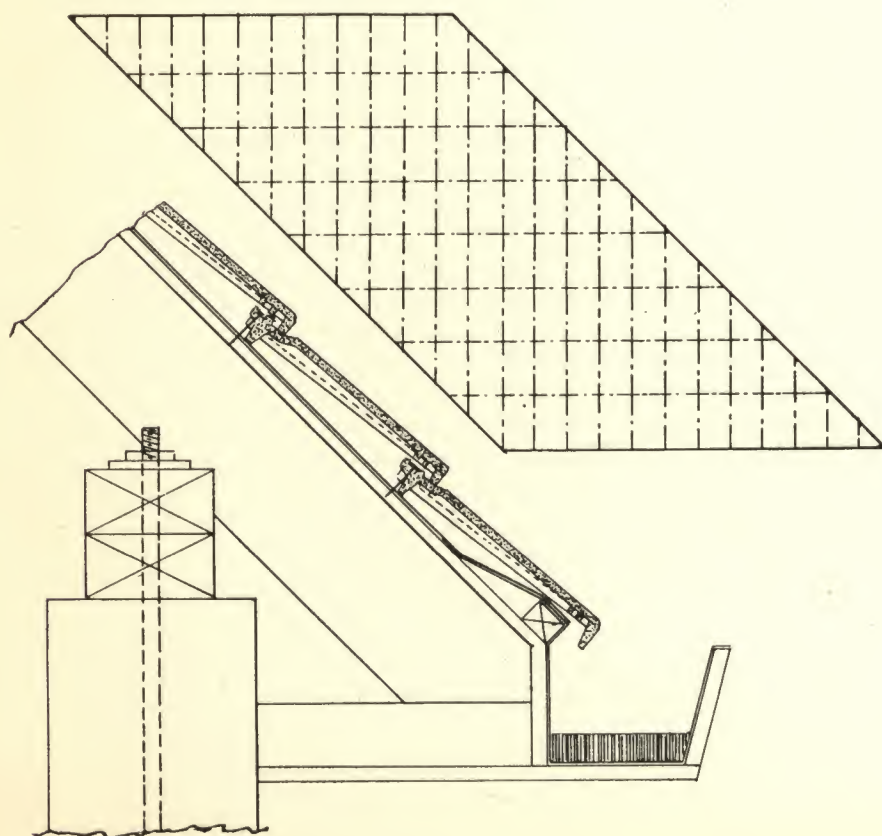
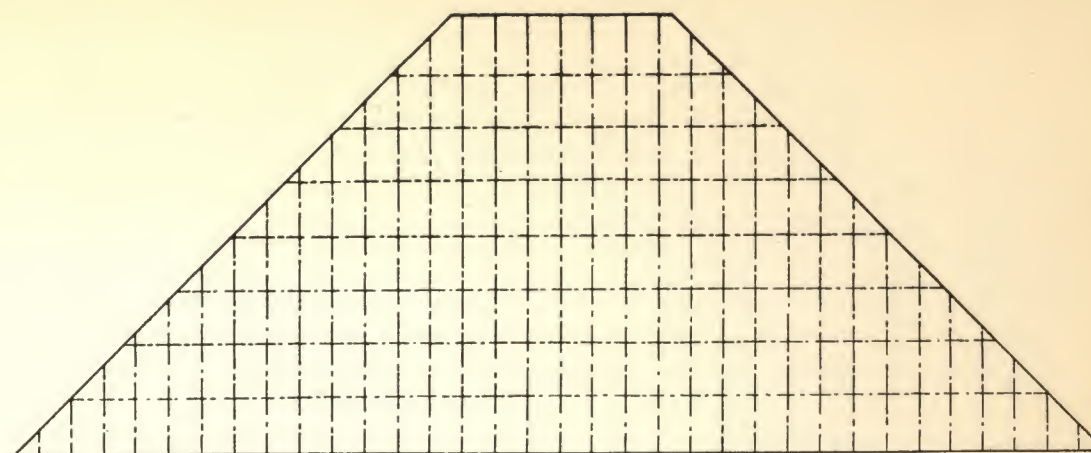
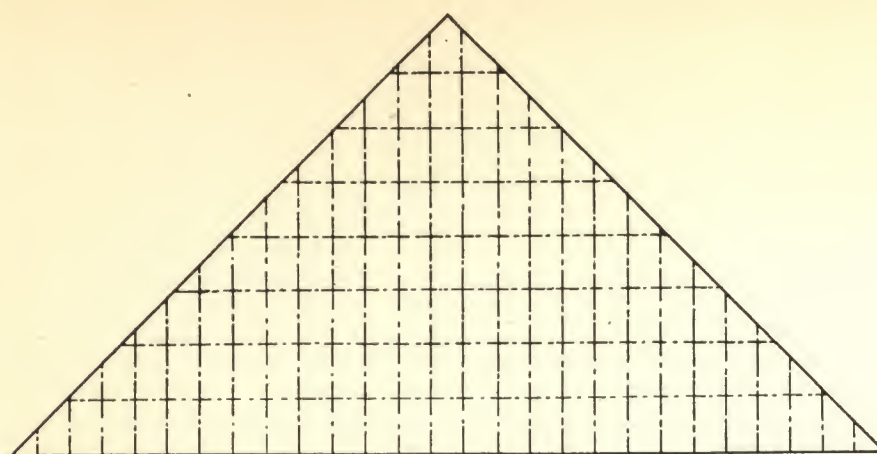
SIDE



SECTION







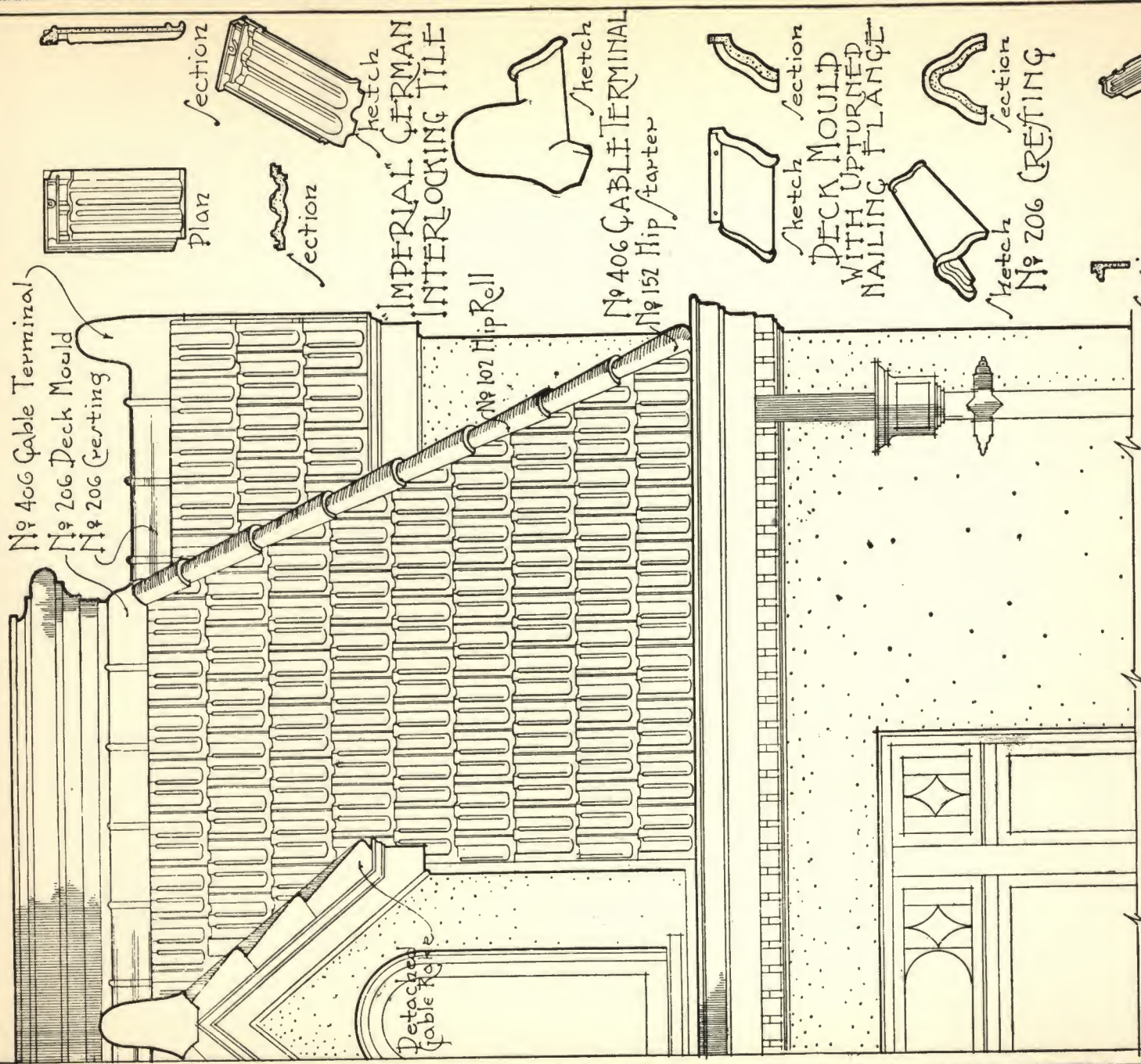
These illustrations show the proper method of lining roof for "Imperial" German Tile.

These tile lay approximately  $8\frac{1}{8}$  inches width by  $13\frac{3}{8}$  inches length. However, all shale tile has a range of size according to shade, which must be taken into consideration when lining roof. Therefore spacing must be increased or decreased as the shipment requires, but not so as to stretch the courses.

The sectional drawing shows the tile laid in connection with the gutter.







DETAIL of FRONT ELEVATION DETACHED GABLE  
 of a RESIDENCE WITH DECK ROOF  
 SCALE 1/2" = 1'-0"

# LUDOWICI-CELADON COMPANY

DETAILS

MFGRS of  
 TERRA COTTA  
 ROOFING TILE

"IMPERIAL" of GERMAN  
 INTERLOCKING TILE

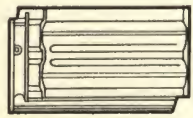
GENERAL OFFICES  
 104 S. MICHIGAN AVE.  
 CHICAGO ILL.

G.L. Lockhart. Del.

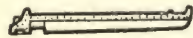








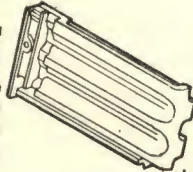
Plan



Section

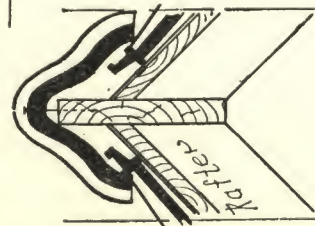


Section Sketch

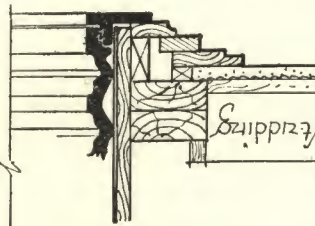


Sketch

"IMPERIAL" GERMAN  
INTERLOCKING TILE



SECTION "AA"  
SCALE 3/4" = 1'-0"



SECTION "DD"  
SCALE 3/4" = 1'-0"



Sketch & Section

No 206 CRESTING

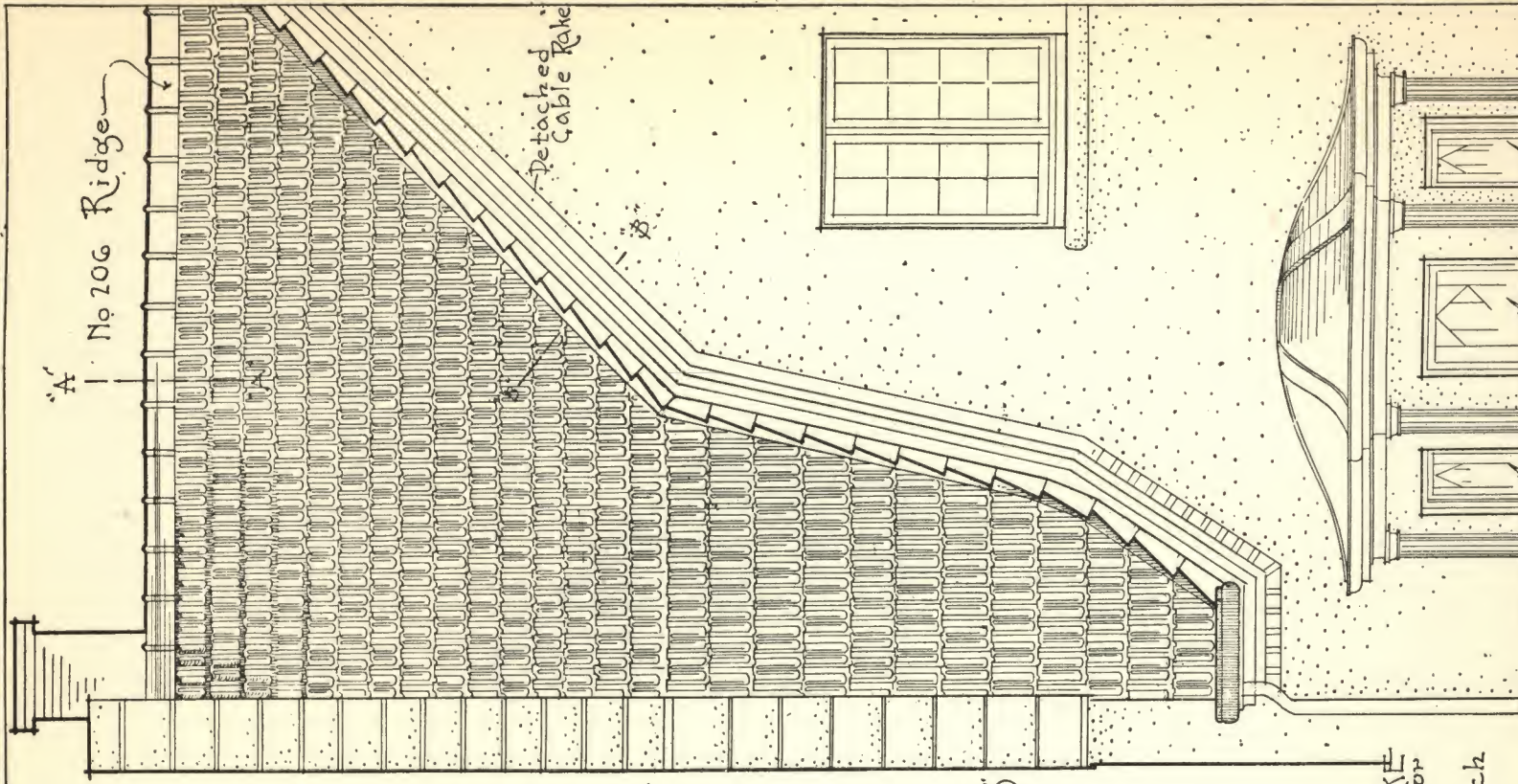
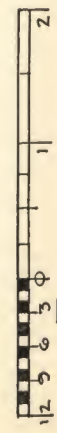


Section

DETACHED GABLE  
"IMPERIAL" GERMAN  
INTERLOCKING TILE

Rake for Sketch

SCALE of TILE DETAILS



FRONT ELEV. of a RESIDENCE  
SCALE 1/4" = 1'-0"

LUDOWICI-CELADON COMPANY

DETAILS

MFGRS. of  
TERRA COTTA  
ROOFING TILES  
"IMPERIAL" GERMAN  
INTERLOCKING TILE

GENERAL OFFICE  
104.50 MICHIGAN AVE  
CHICAGO ILL.

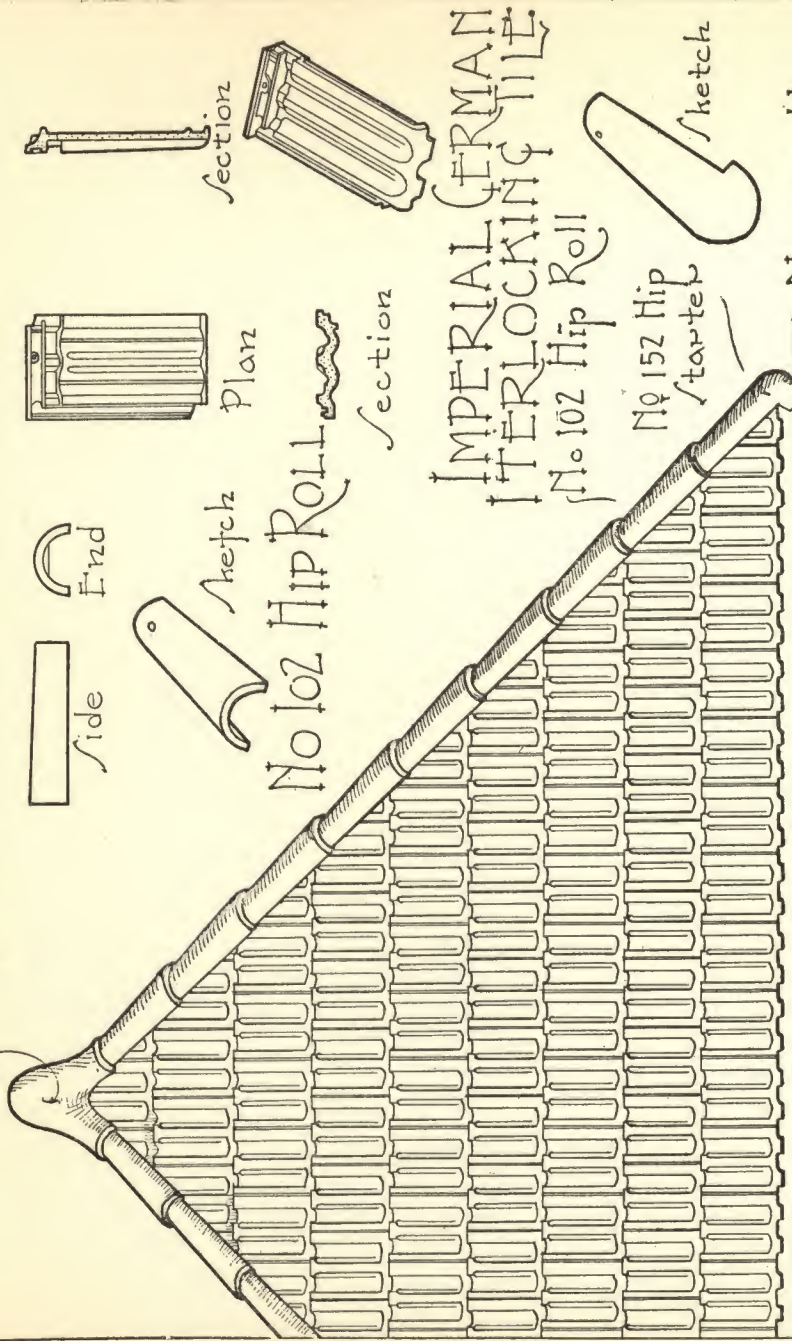
C. L. Lockhart, Architect, Del.



THE UNIVERSITY OF CHICAGO  
LIBRARY  
1100 EAST 58TH STREET  
CHICAGO, ILL. 60637  
U.S.A.



No 405 2H 1C Terminal



No 152 Hip  
STARTER



Side



Sketch

No 405 2H & 1C  
TERMINAL

SCALE of  
TILE DETAILS

DETAIL of DORMER WITH  
"IMP" GERMAN INTERLOCKING TILE ROOF

LUDOWICI-CELADON COMPANY

DETAILS

"IMPERIAL" GERMAN  
INTERLOCKING TILE

MFGRS of  
TERRA COTTA  
ROOFING TILES

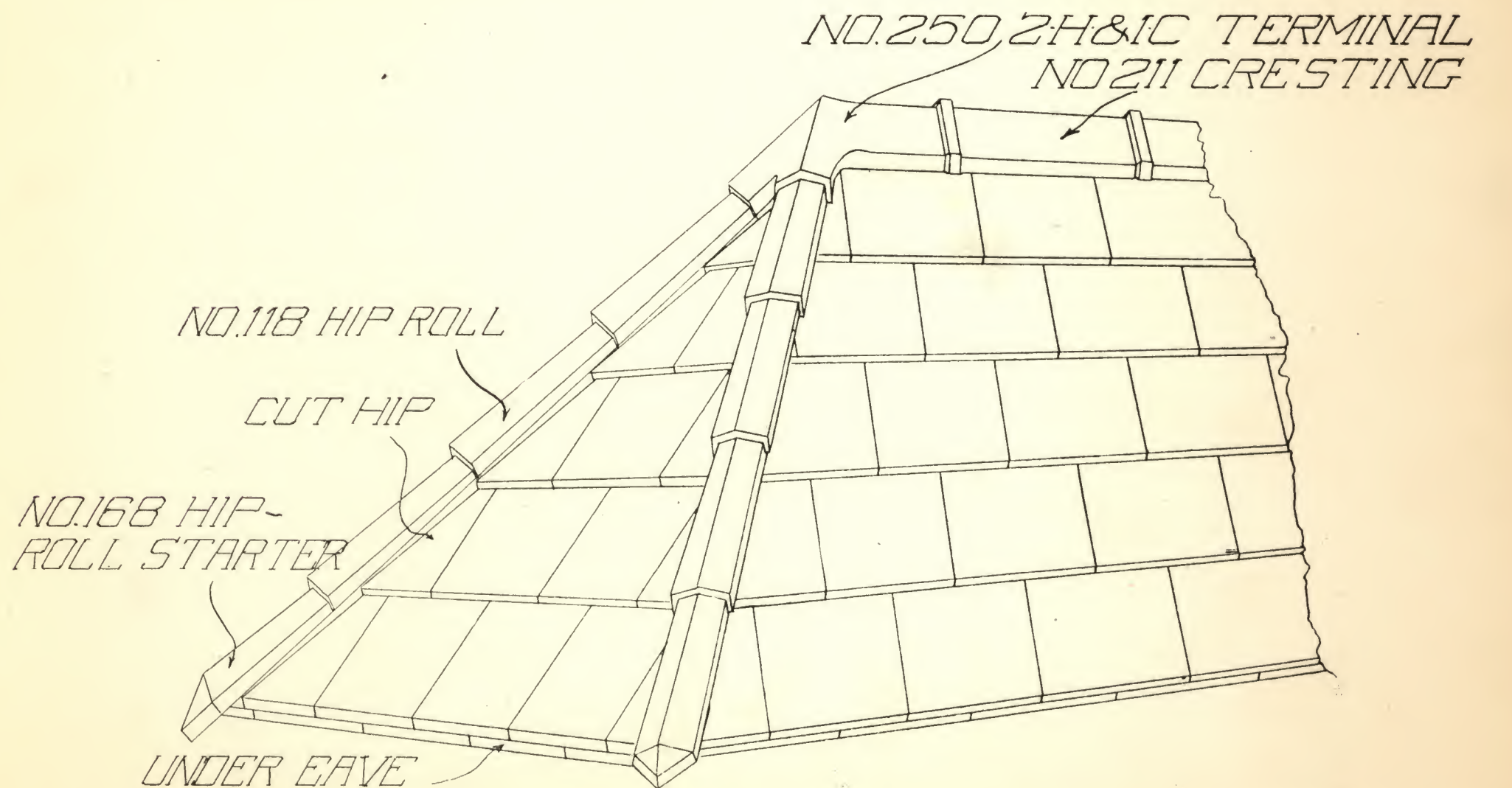
GENERAL OFFICES  
104 So. MICHIGAN AVE  
CHICAGO, ILL.

Gallockhart, Del.





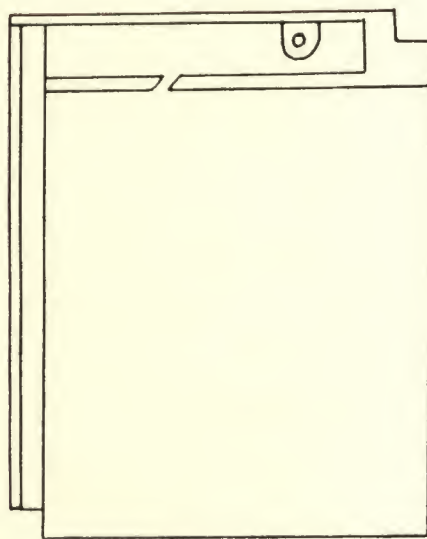
SKETCH OF "IMPERIAL" CLOSED SHINGLE TILE  
WITH UNDER EAVES, CUT HIP, NO. 118 HIP ROLL, NO. 168 HIP  
ROLL STARTERS, NO. 211 CRESTING AND NO 250 2H&IC  
TERMINAL.



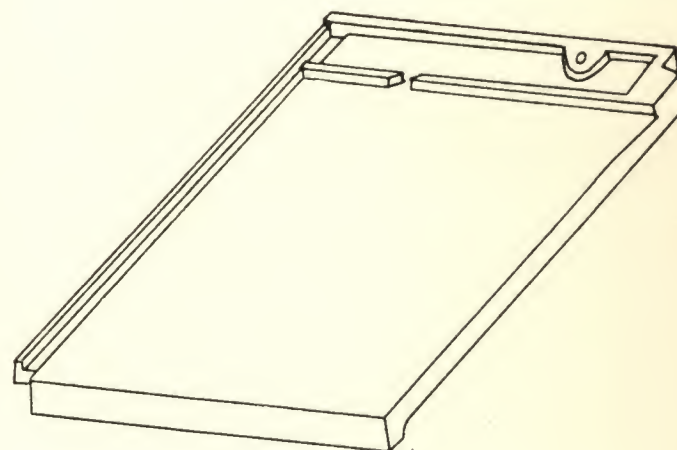
-LUDOWICI-CELADON-CO.-



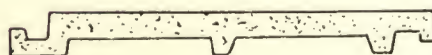
*"IMPERIAL" CLOSED SHINGLE TILE*  
*LUDOWICI - CELADON CO.*  
*SCALE 3" EQUALS 1'-0"*



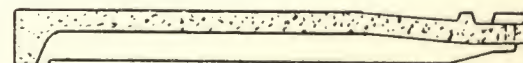
*PLAN*



*SKETCH*



*SECTION*

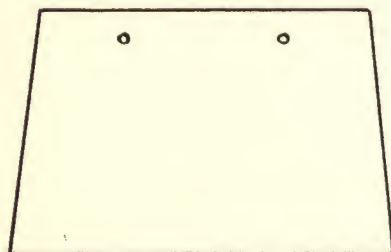


*SECTION*

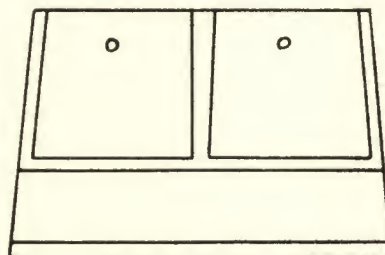




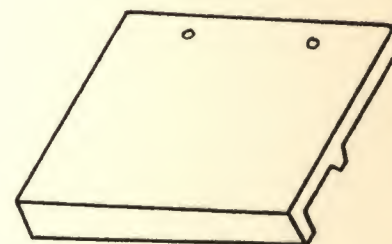
*UNDER EAVE  
FOR  
"IMPERIAL" CLOSED SHINGLE TILE  
LUDOWICI-CELADON CO.  
SCALE 3" EQUAL 1'-0"*



*PLAN*



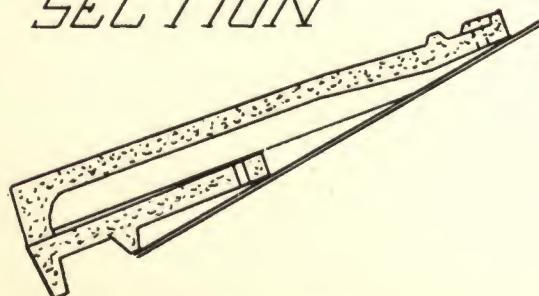
*PLAN*



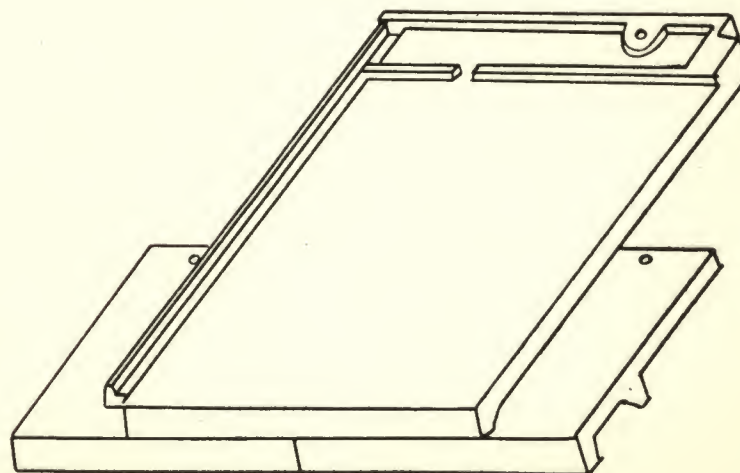
*SKETCH*



*SECTION*



*SECTION*

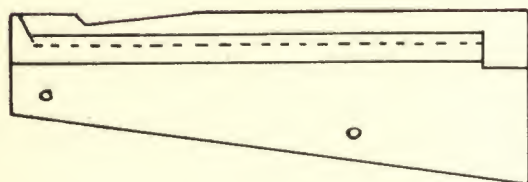


*SKETCH*





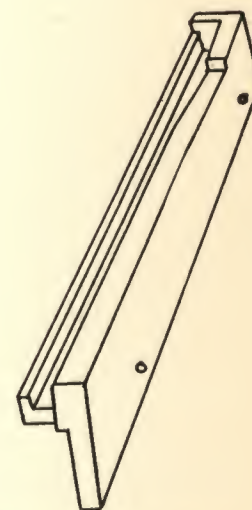
DETACHED GABLE RAKE  
 FOR  
 "IMPERIAL" CLOSED SHINGLE TILE  
 LUDOWICI-CELADON CO.  
 SCALE 3" EQUAL 1'-0"



SIDE



END



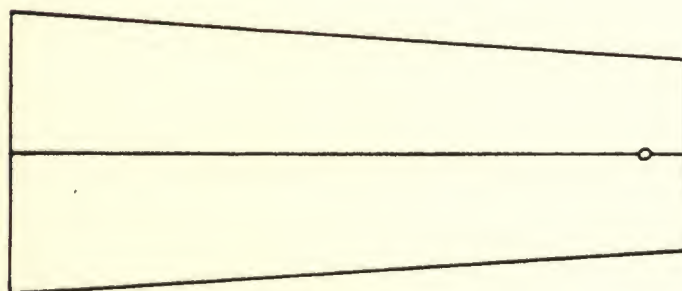
SKETCH



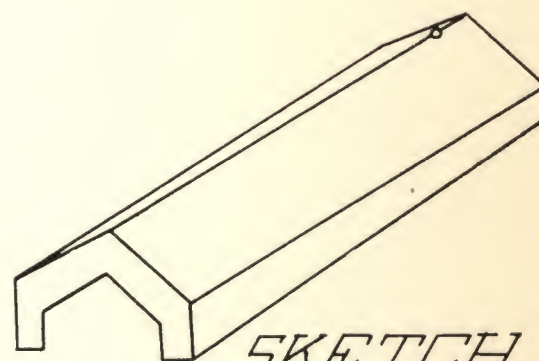
PLAN



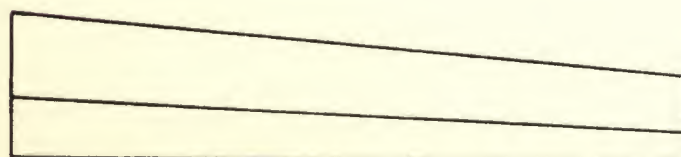
NO. 118 HIP ROLL  
LUDOWICI-CELADON CO.  
SCALE 3" EQUAL 1'-0"  
TO BE USED WITH  
"IMPERIAL" CLOSED SHINGLE TILE



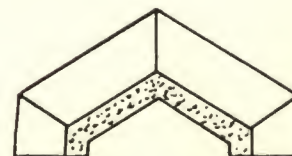
PLAN



SKETCH



SIDE

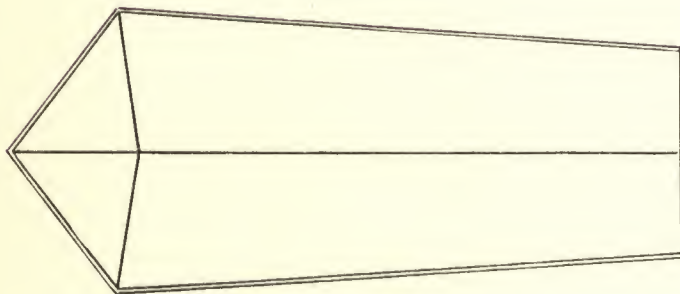


SECTION

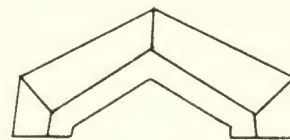




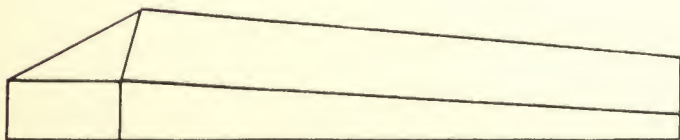
NO. 168 HIP STARTER  
LUDOWICI-CELADON CO.  
SCALE 3" EQUAL 1'-0"  
TO BE USED WITH  
"IMPERIAL" CLOSED SHINGLE TILE



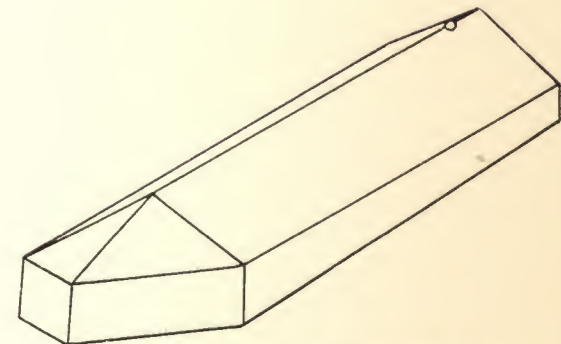
PLAN



END



SIDE

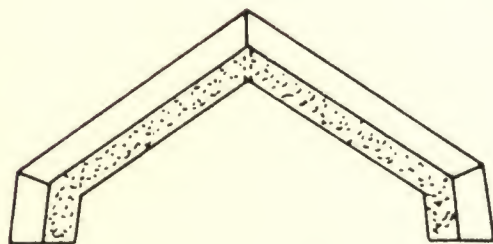


SKETCH

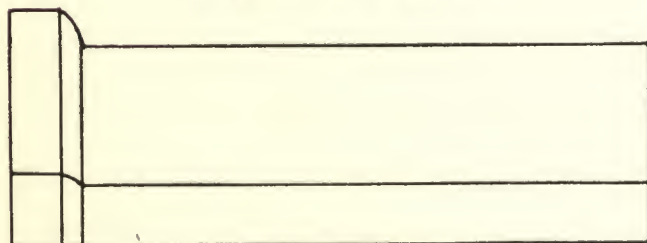




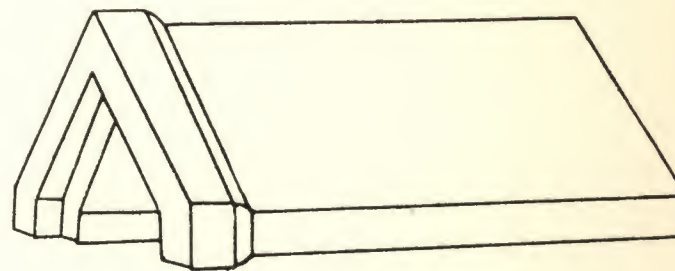
*NO. 211 RIDGE  
LUDOWICI-CELADON CO.  
SCALE 3" EQUAL 1'-0"  
TO BE USED WITH  
"IMPERIAL" CLOSED SHINGLE TILE*



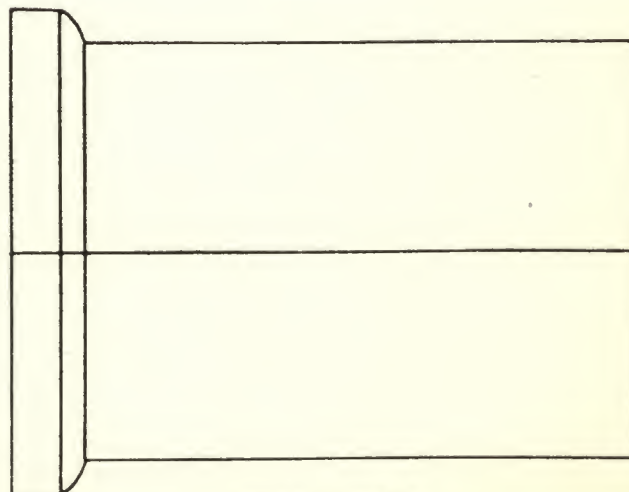
*SECTION*



*SIDE*



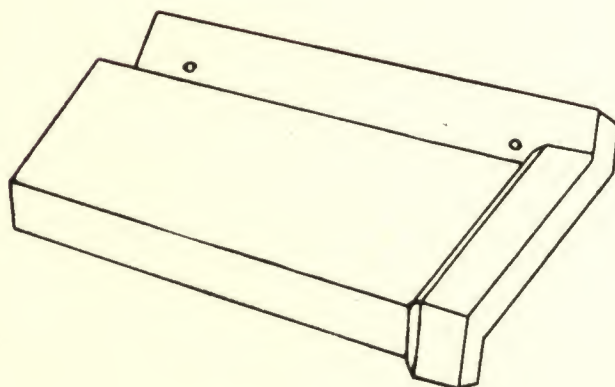
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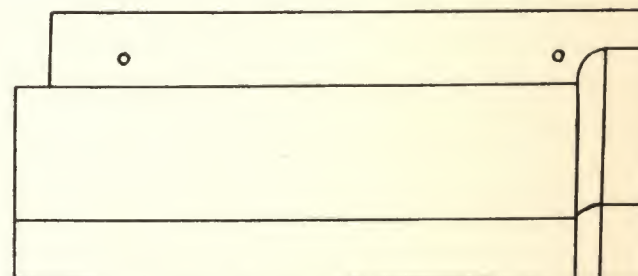
*PLAN*



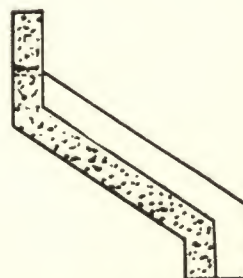
*NO. 211 DECK MOULD RAISED FLANGE  
LUDOWICI-CELADON CO.  
SCALE 3" EQUAL 1'-0"*



*SKETCH*



*SIDE*

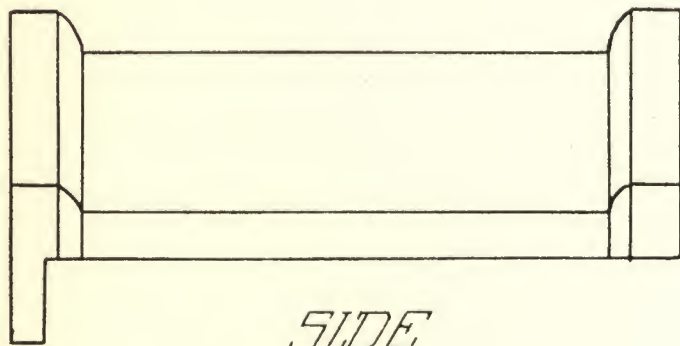


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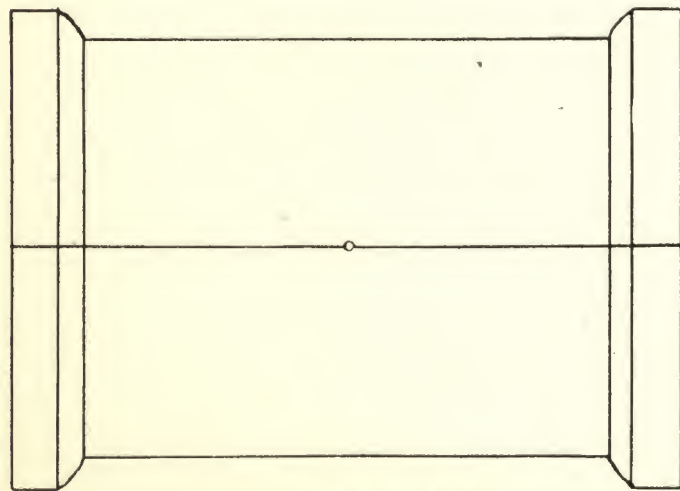




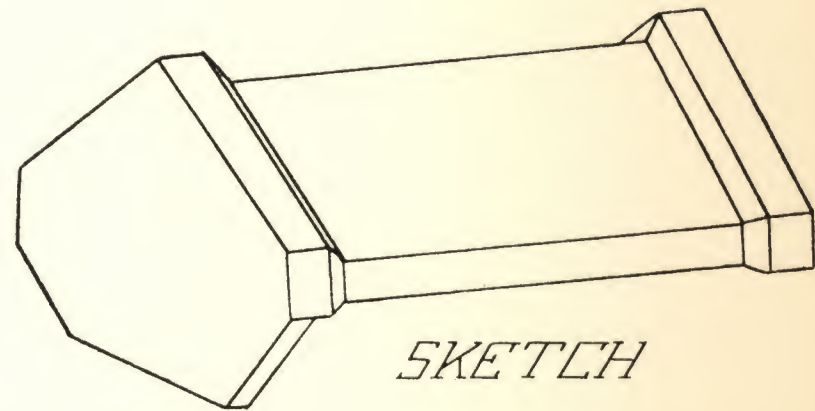
*NO. 211 CLOSED RIDGE END  
LUDOWICI-CELADON CO.  
SCALE 3" EQUAL 1'-0"  
TO BE USED WITH  
"IMPERIAL" CLOSED SHINGLE TILE*



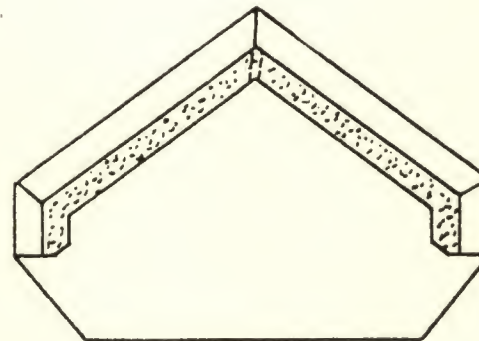
*SIDE*



*PLAN*



*SKETCH*

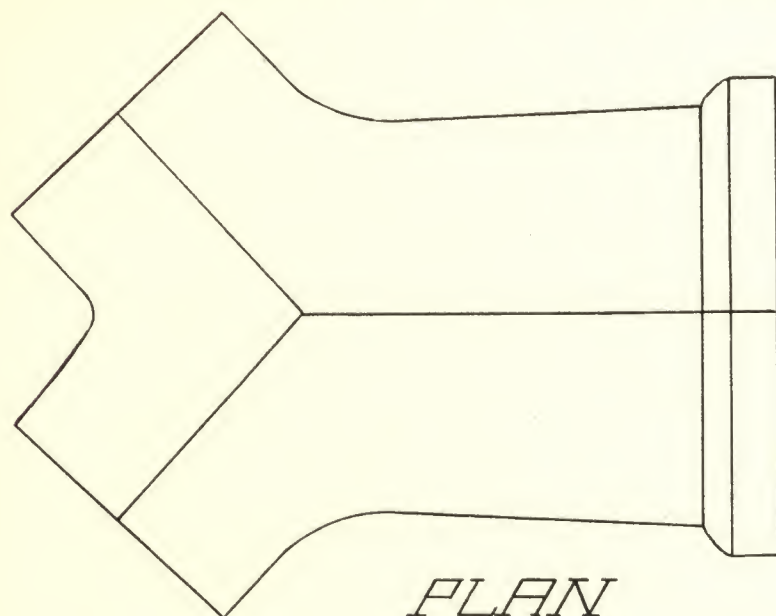


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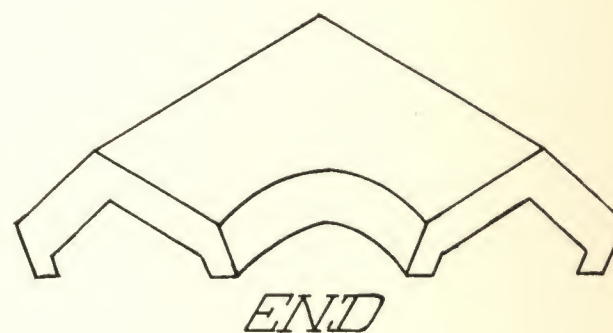
THE  
MUSEUM OF THE  
CITY OF BOSTON  
BOSTON, MASS.  
JAN. 1871



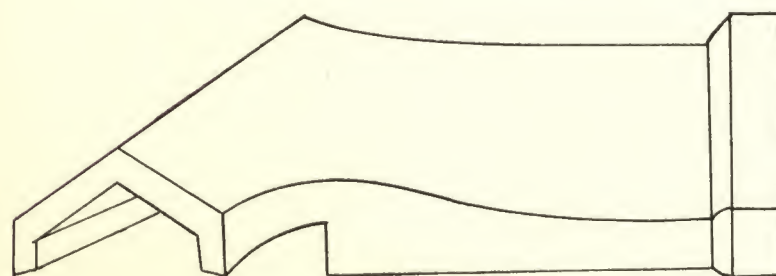
NO. 250 TERMINAL FOR #118 HIP ROLL AND #211 RIDGE  
LUDOWICI-CELADON CO.  
SCALE 3" EQUAL 1'-0"  
TO BE USED WITH  
"IMPERIAL" CLOSED SHINGLE TILE



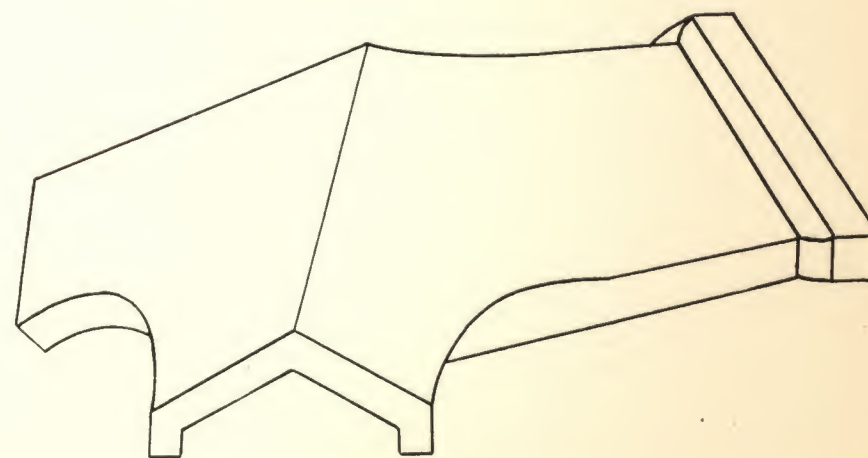
PLAN



END



SIDE

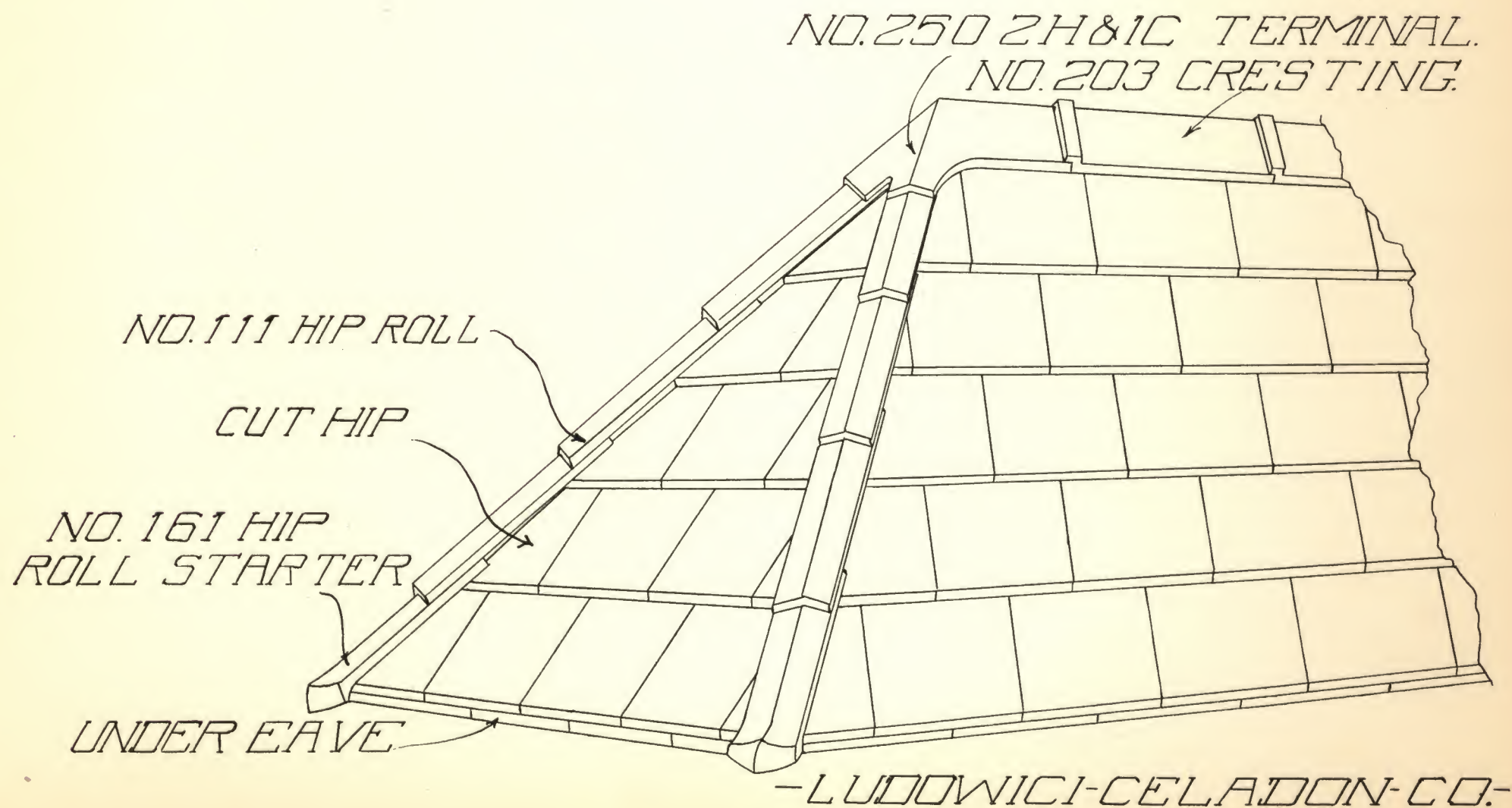


SKETCH





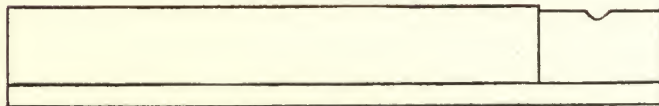
SKETCH OF "IMPERIAL" CLOSED SHINGLE TILE SHOWN  
WITH CUT HIP, NO. 111 HIP ROLL, NO. 161 HIP ROLL  
STARTERS, NO. 203 CRESTING AND NO. 250 2H&1C  
TERMINAL.



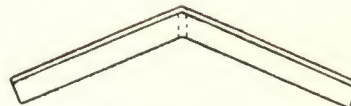




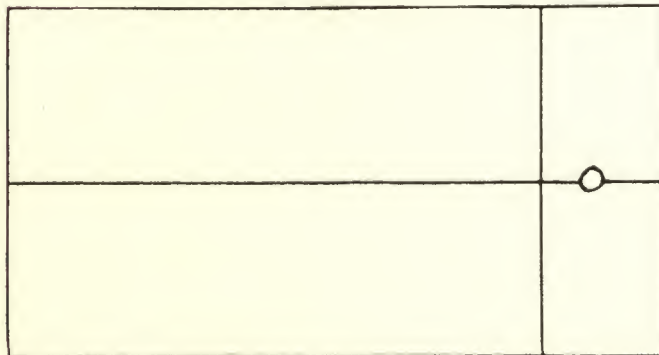
*NO 111 HIP ROLL  
LUDOWICI-CELADON CO.  
SCALE 3" EQUAL 1'-0"*



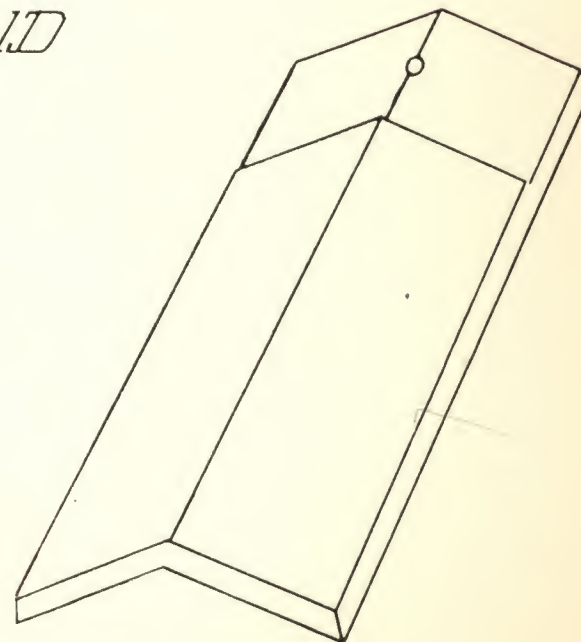
*SIDE*



*END*



*PLAN*

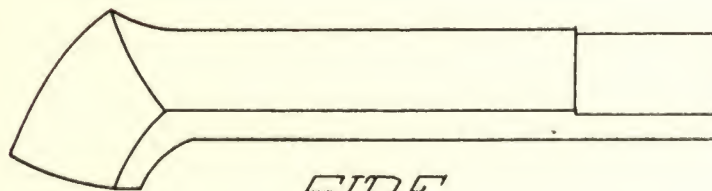


*SKETCH*

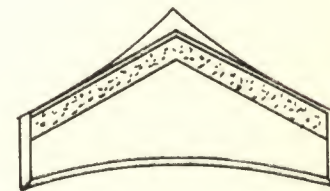




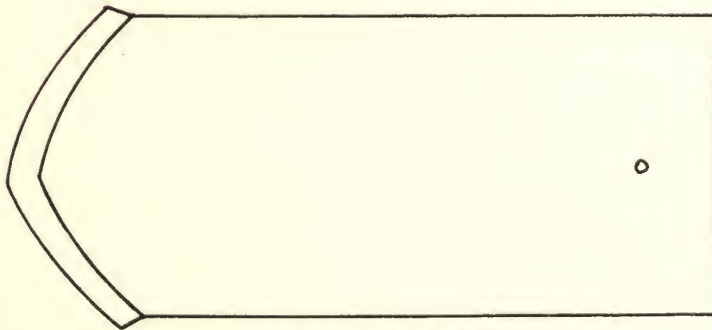
*NO. 161 HIP STARTER  
LUDOWICI-CELADON CO.  
SCALE 3" EQUAL 1'-0"*



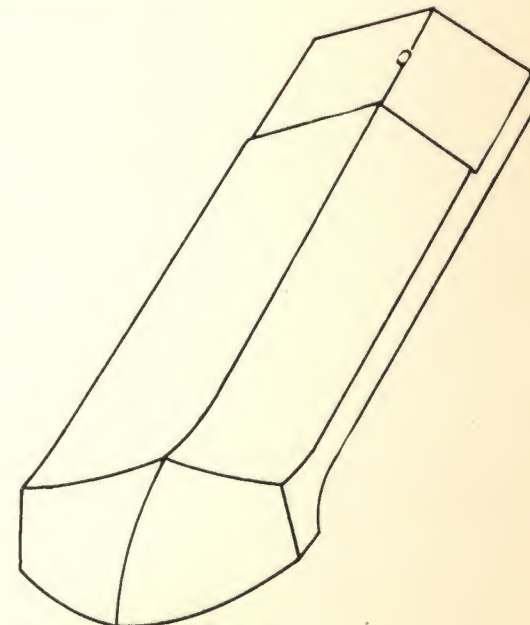
*SIDE*



*SECTION*



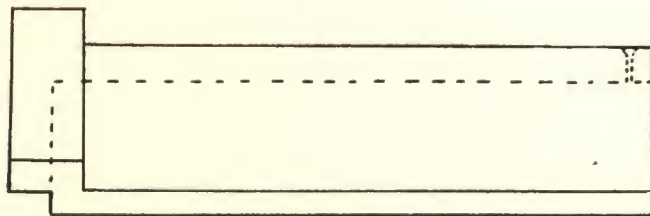
*PLAN.*



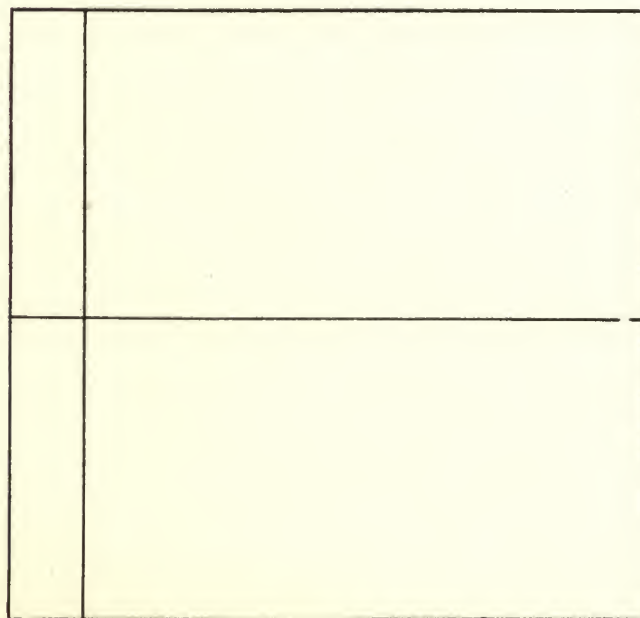
*SKETCH.*



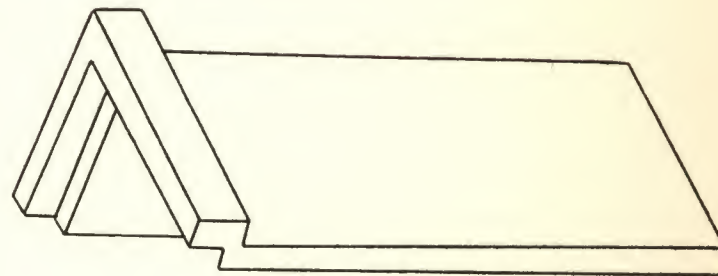
*NO. 203 RIDGE  
LUDOWICI-CELADON CO.  
SCALE 3" EQUAL 1'-0"*



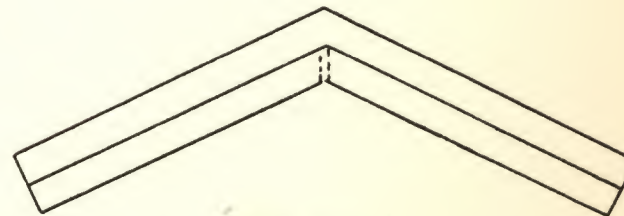
*SIDE*



*PLAN*



*SKETCH*



*END*



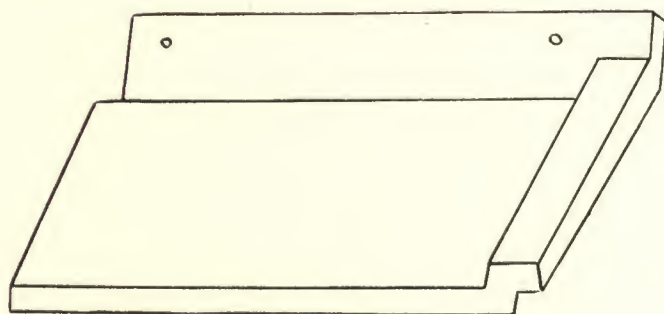
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LIBRARY OF THE  
MUSEUM OF NATURAL HISTORY  
NEW YORK

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LIBRARY OF THE  
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NEW YORK

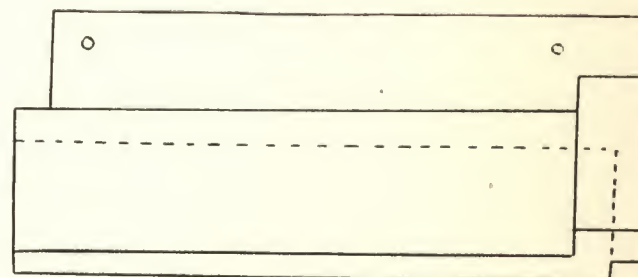
THE  
LIBRARY OF THE  
MUSEUM OF NATURAL HISTORY  
NEW YORK

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MUSEUM OF NATURAL HISTORY  
NEW YORK

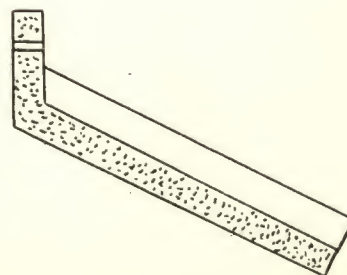
*NO. 203 DECK MOULD RAISED FLANGE  
LUDOWICI-CELADON CO.  
SCALE 3" EQUAL 1-0"*



*SKETCH*



*SIDE*

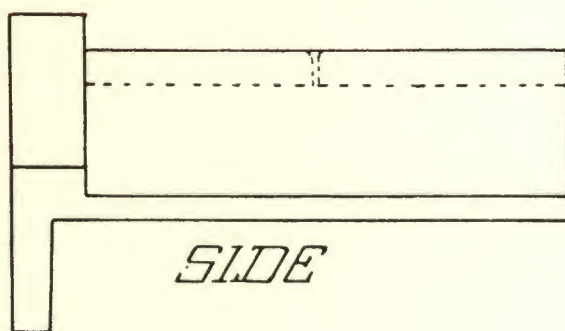


*SECTION*

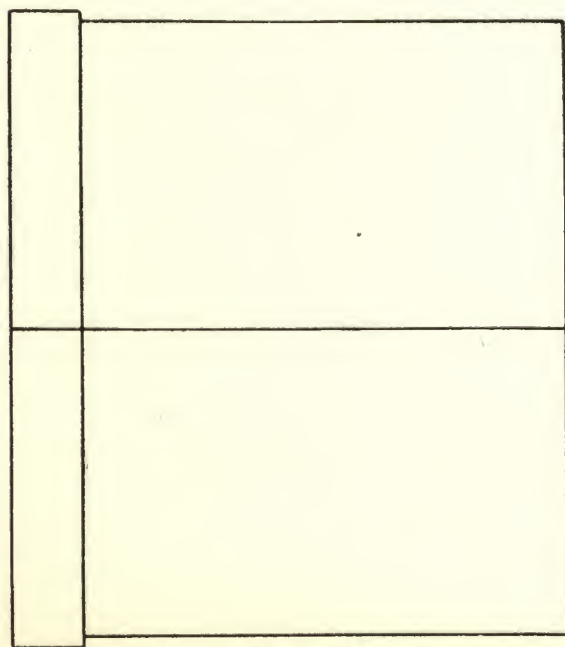




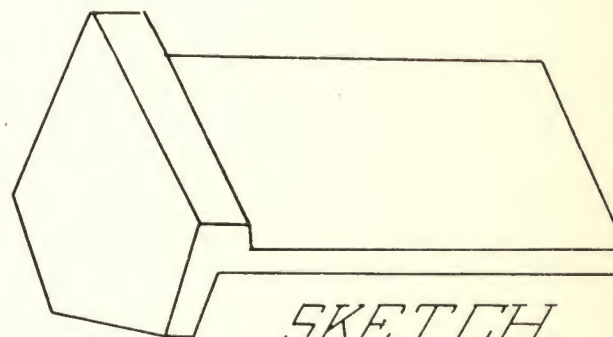
NO. 203 CLOSED RIDGE END  
LUDOWICI-CELADON CO.  
SCALE 3" EQUAL 10"



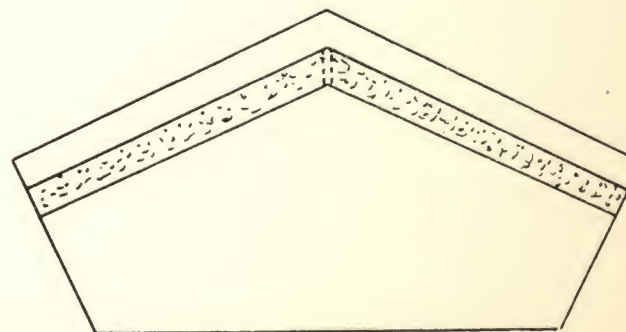
*SIDE*



*PLAN*



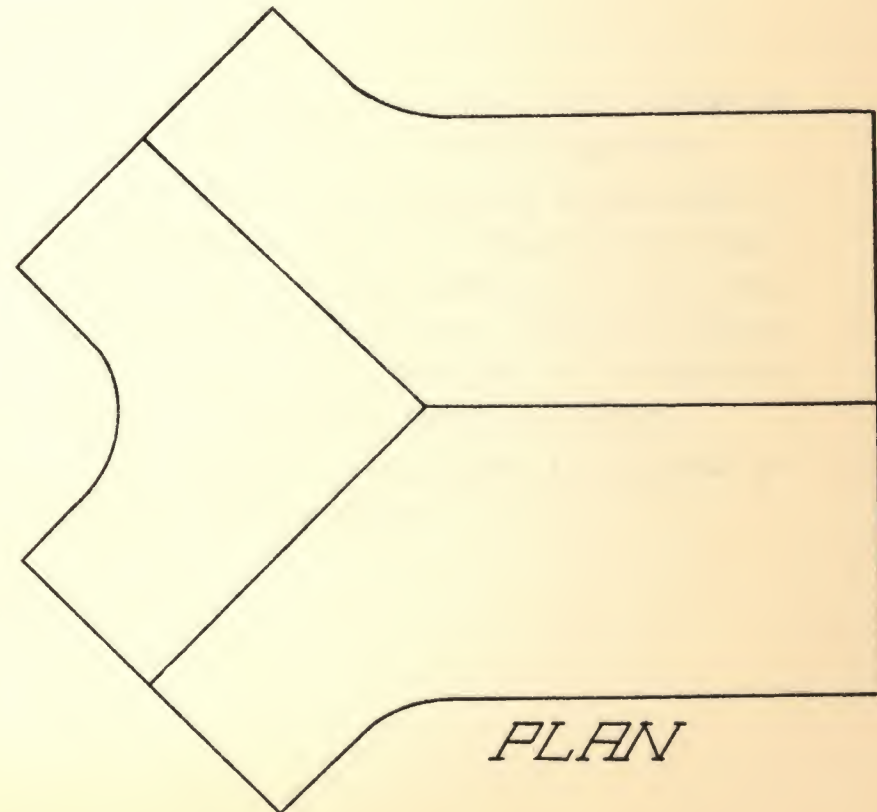
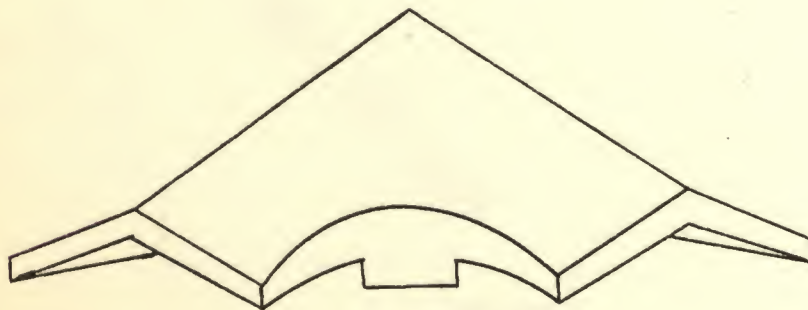
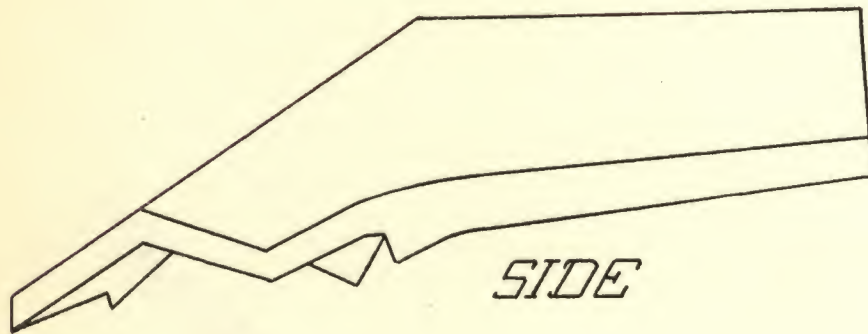
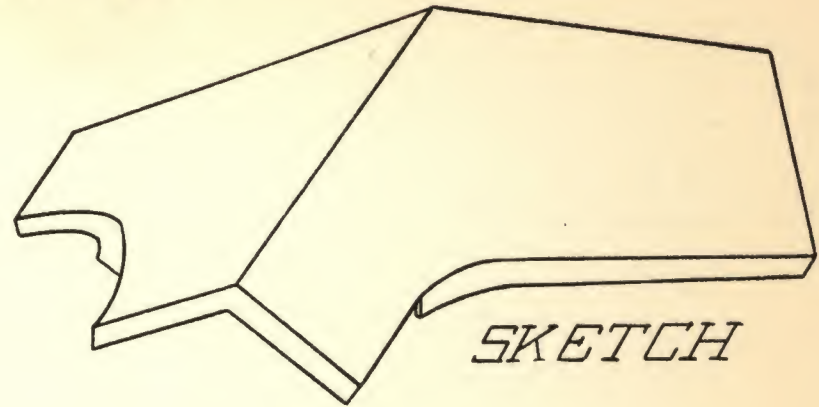
*SKETCH*



*SECTION*

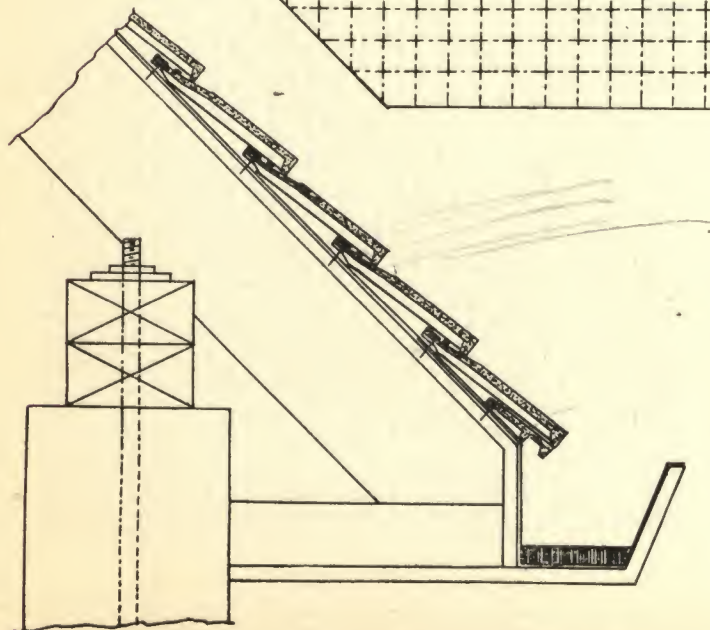
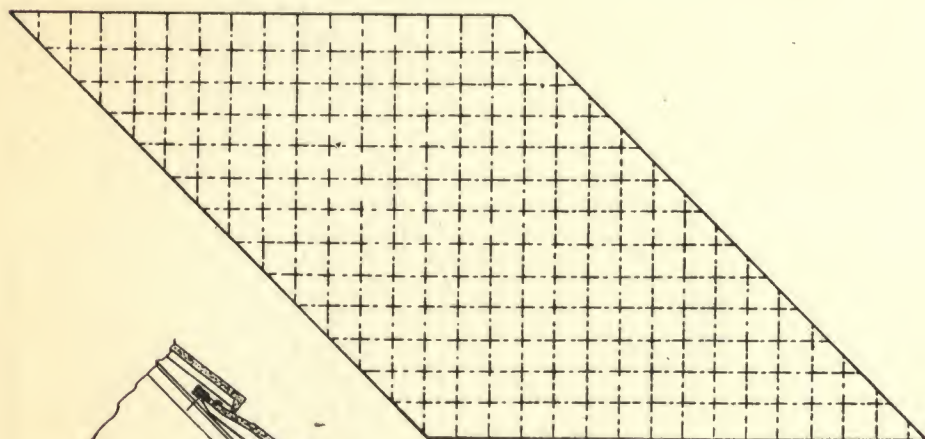
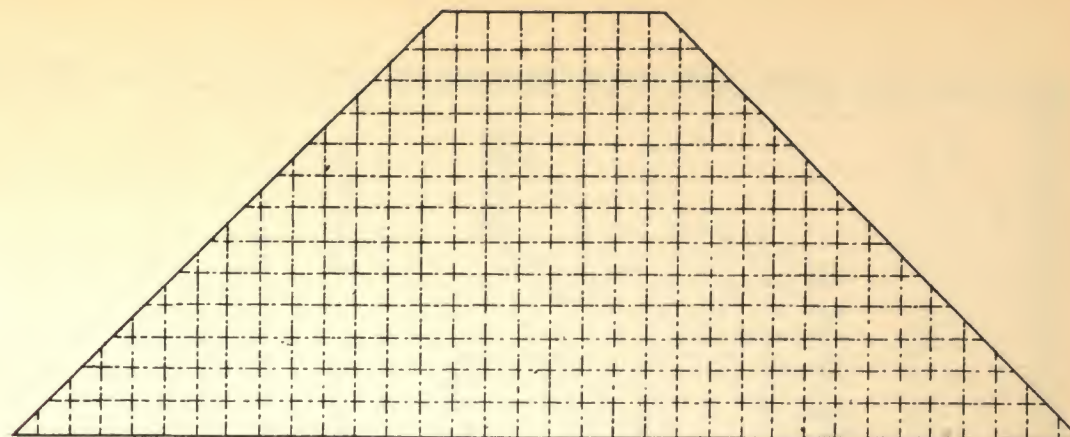
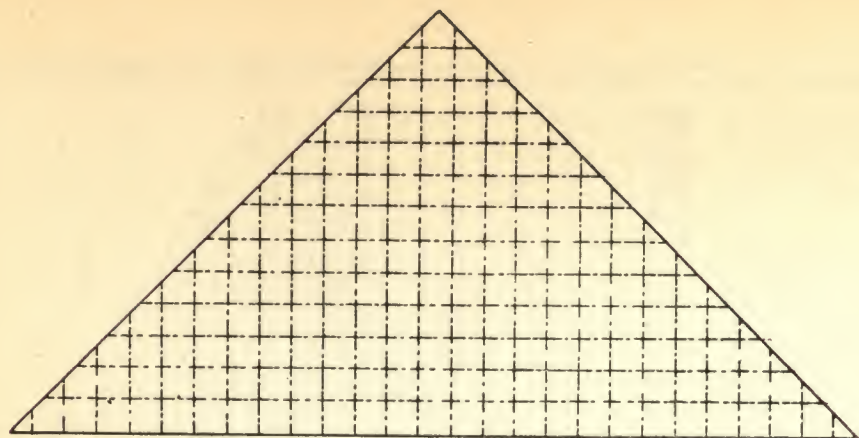


NO. 250 ZH4C TERMINAL FOR #11 HIP ROLL AND #203 RIDGE  
LUDOWICI - CELADON CO.  
SCALE 3" EQUAL 1'-0"









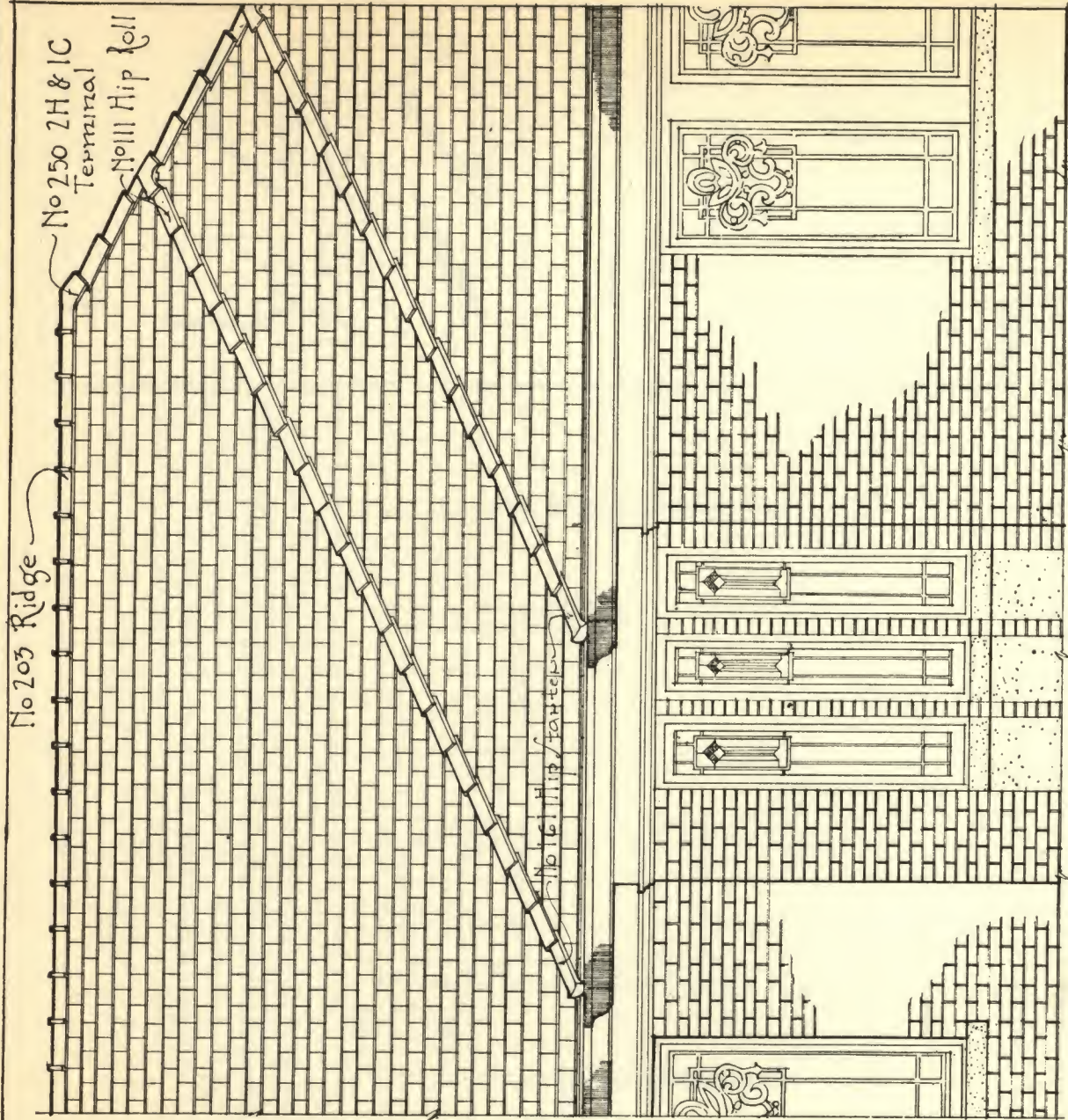
These illustrations show the proper method of lining roof for "Imperial" Closed Shingle Tile.

These tile lay approximately 8 inches width by 8 inches length. However, all shale tile has a range of size according to shade, which must be taken into consideration when lining roof. Therefore spacing must be increased or decreased as the shipment requires, but not so as to stretch the courses.

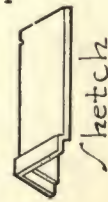
The sectional drawing shows the tile laid in connection with the gutter.

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COMPARATIVE ZOOLOGY  
AND ANATOMY  
HARVARD UNIVERSITY  
CAMBRIDGE, MASS.

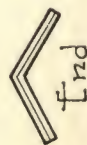




# DETAIL of "IMPERIAL" CLOSED SHINGLE TILE ROOF SCALE $\frac{1}{4} = 1'-0"$



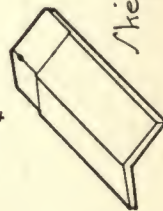
Sketch



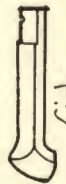
End



End



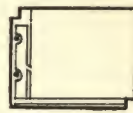
Sketch



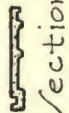
Side



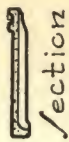
Section



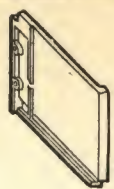
Plan



Section



Section



Sketch

"IMPERIAL" CLOSED  
SHINGLE

No 203 (RESTING) No 111 Hip Roll No 16 Hip Starter

SCALE of DETAIL  $\frac{1}{2} = 3'-0"$   $\frac{1}{4} = 1'-0"$   $\frac{1}{8} = 6"$   $\frac{1}{16} = 3"$   $\frac{1}{32} = 1'-6"$

LUDOWICI-CELADON COMPANY

DETAILS OF

MFG'RS of  
TERRA COTTA  
ROOFING TILES

"IMPERIAL" CLOSED  
SHINGLE TILE

GENERAL OFFICE  
104 S. MICHIGAN AVE  
CHICAGO ILL.

G. L. Lockhart, Archt. Del.



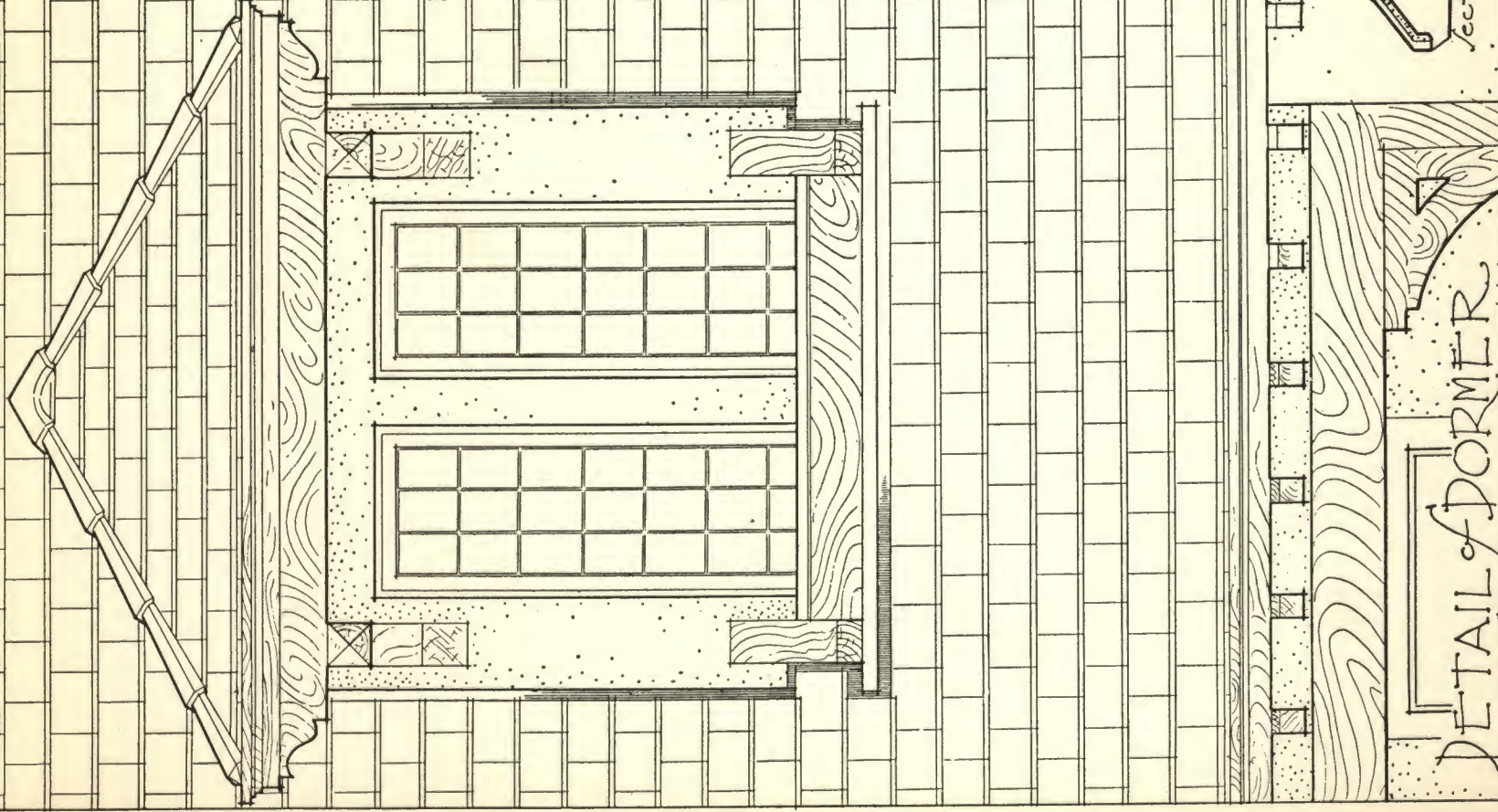
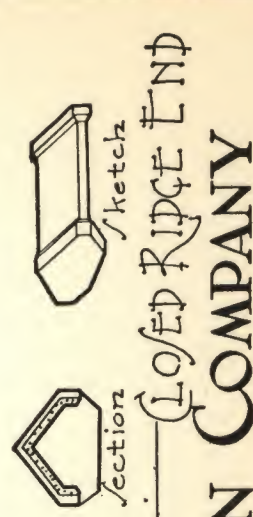
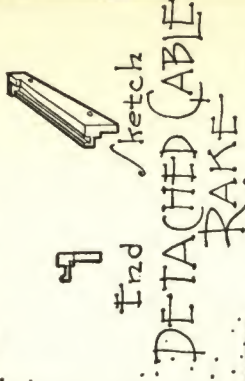
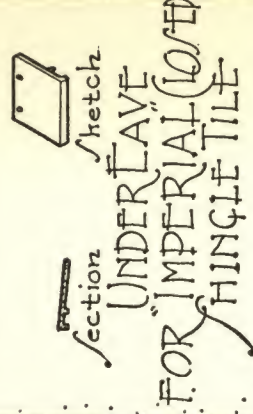
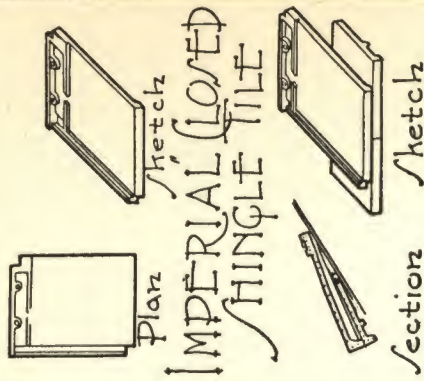
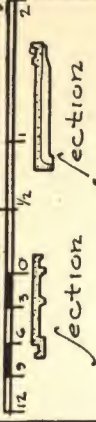
THE UNIVERSITY OF CHICAGO  
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PHYSICS DEPARTMENT

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# SCALE OF TILE DETAIL



## DETAIL OF DORMER

SCALE 1/2" = 1'-0"

## LUDOWICI-CELADON COMPANY

MANUFACTURERS OF  
TERRAZZOTTI  
ROOFING TILES  
"IMPERIAL" CLOSED  
SHINGLE TILE

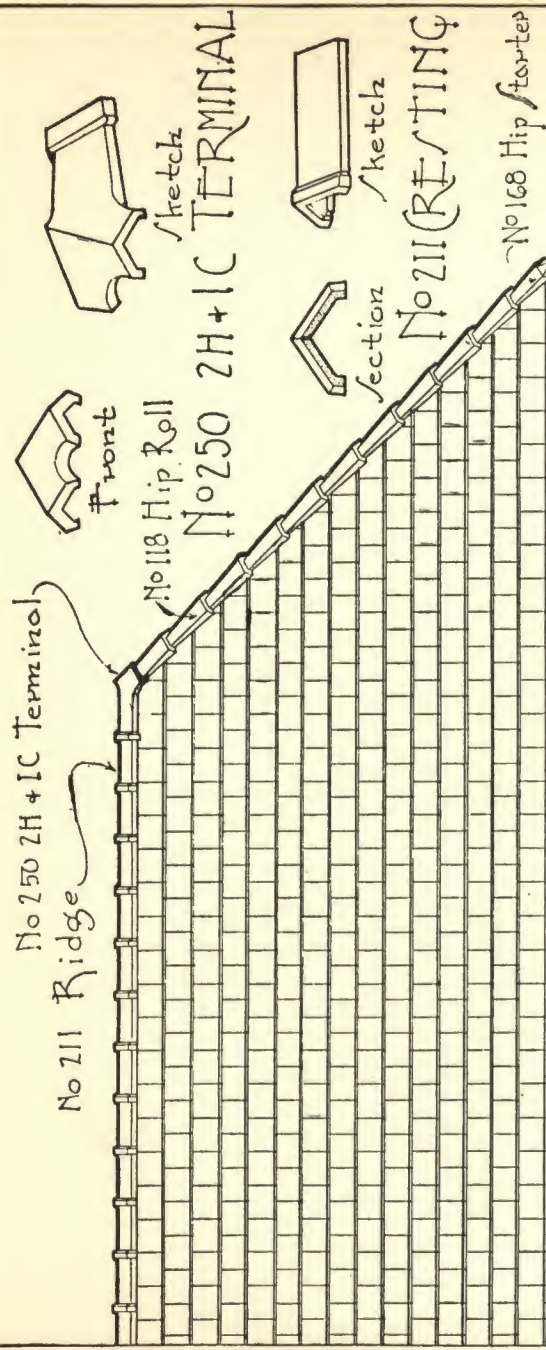
GENERAL OFFICES  
104 S. MICHIGAN AVE.  
CHICAGO ILL.

C. L. Lockhart, Del.

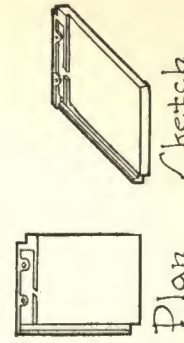
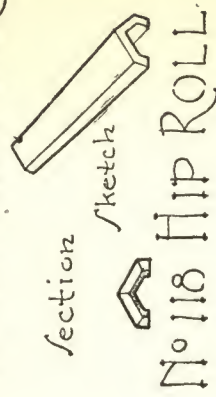
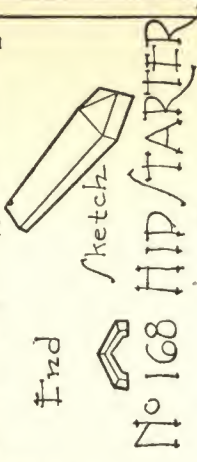








SCALE OF  
TILE DETAIL  
1/2 1 2 3 4 1/2



IMPERIAL (CLOSED)  
SHINGLE TILE

DETAIL OF FRONT ELEVATION

SHOWING IMPERIAL (CLOSED) SHINGLE TILE ROOF - SCALE 1/4" = 1'-0"

LUDOWICI-CELADON COMPANY

MFGRS of  
TERRA COTTA  
ROOFING TILES

DETAILS OF  
IMPERIAL' CLOSED  
SHINGLE TILE

GENERAL OFFICES  
104 S. MICHIGAN AVE  
CHICAGO ILL.

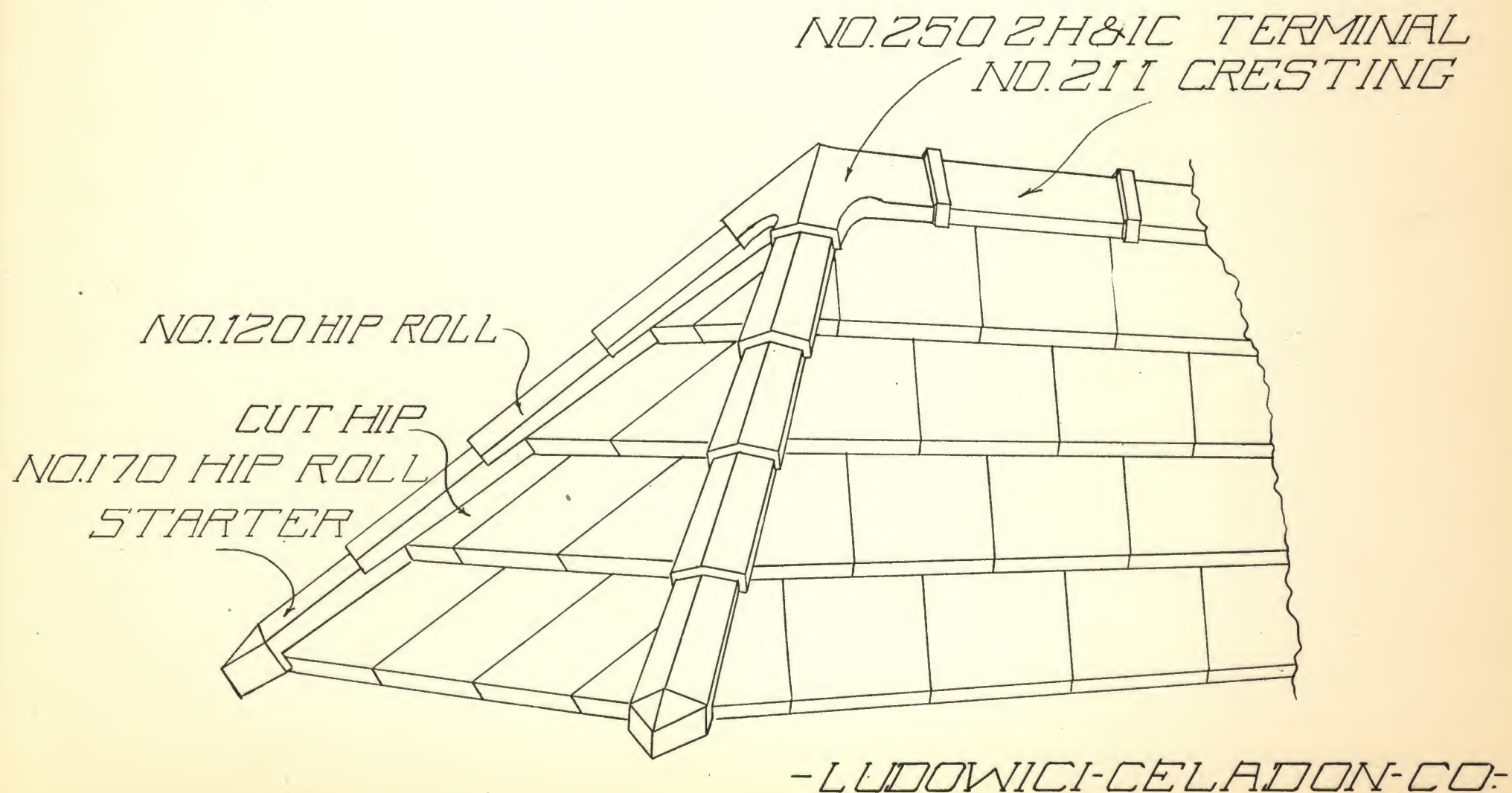
G. L. LOCKHART, Des.





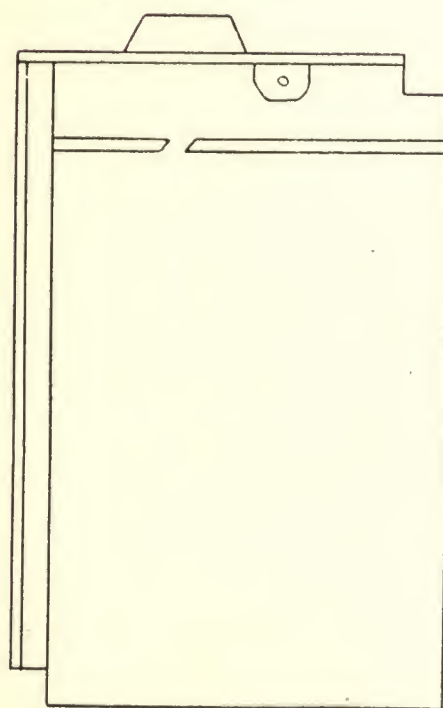


SKETCH OF "IMPERIAL" ENGLISH TILE SHOWN  
WITH CUT HIP, NO. 120 HIP ROLL, NO. 170 HIP ROLL  
STARTERS, NO. 211 CRESTING AND NO. 250 2H&IC  
TERMINAL.

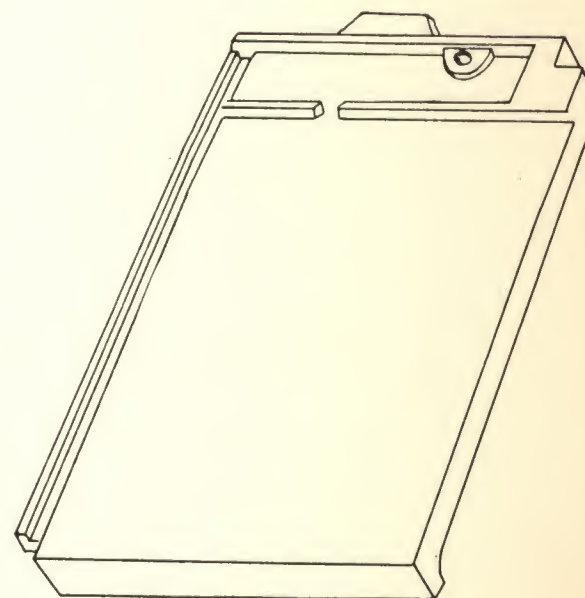




*"IMPERIAL" ENGLISH TILE  
LUDOWICI-CELADON CO.  
SCALE 3" EQUAL 1'-0"*



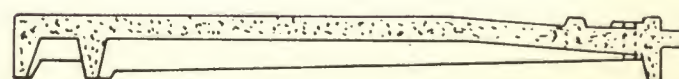
*PLAN*



*SKETCH*



*SECTION*

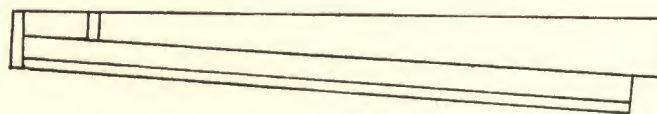


*SECTION*

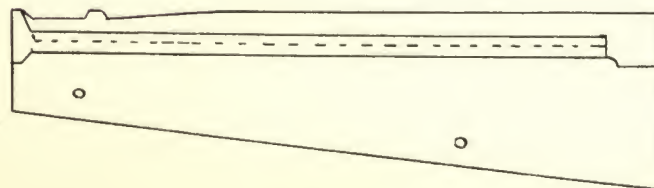




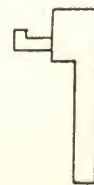
DETACHED GABLE RAKE  
 FOR  
 "IMPERIAL" ENGLISH TILE  
 LUDOWICI-CELADON CO.  
 SCALE 3" EQUAL 1'-0"



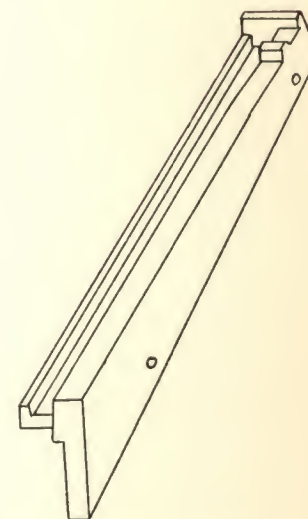
PLAN



SIDE



END

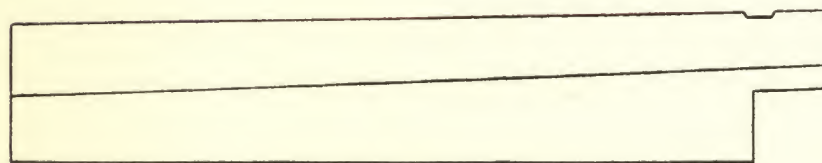


SKETCH

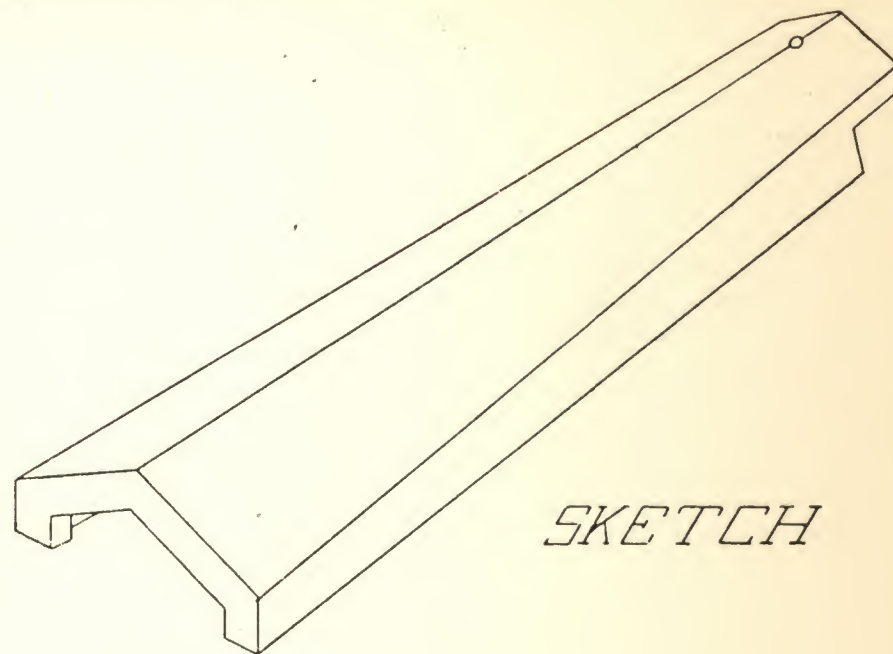




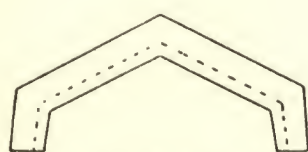
NO. 120 HIP ROLL  
LUDOWICI-CELADON CO.  
SCALE 3" EQUAL 1'-0"



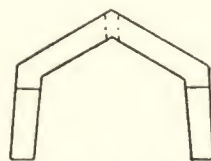
*SIDE*



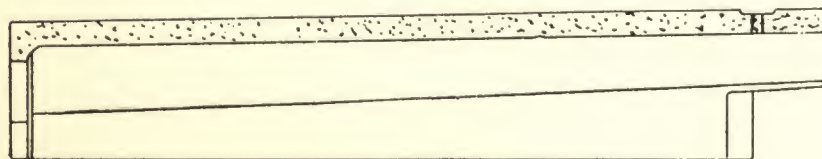
*SKETCH*



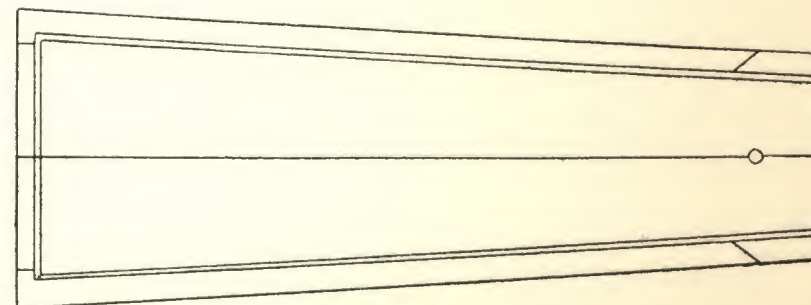
*END*



*END*



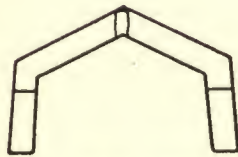
*SECTION*



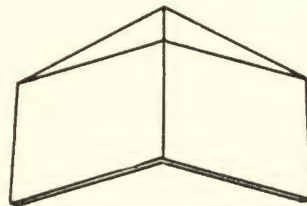
*PLAN*



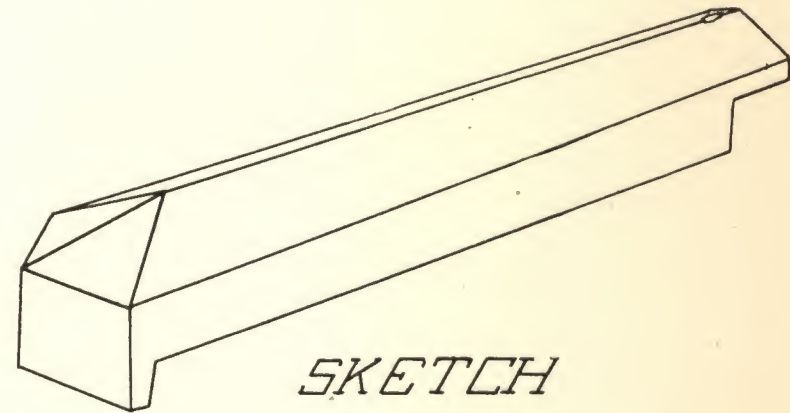
NO. 170 HIP STARTER  
LUDOWICI-CELADON CO.  
SCALE 3" EQUAL 1'-0"



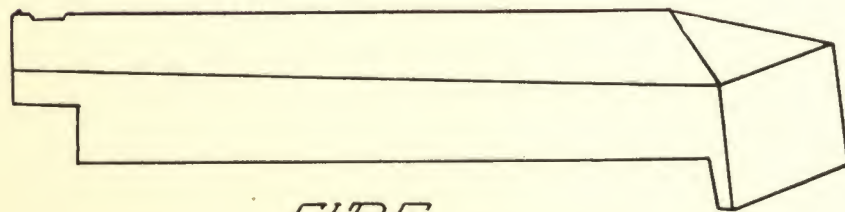
END



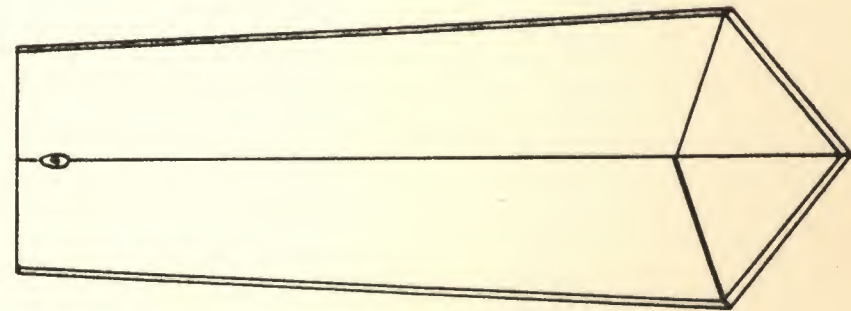
END



SKETCH



SIDE

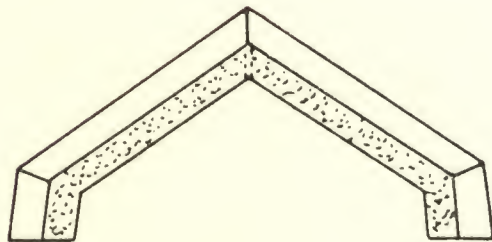


PLAN

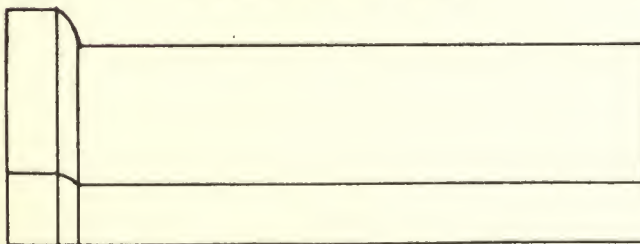




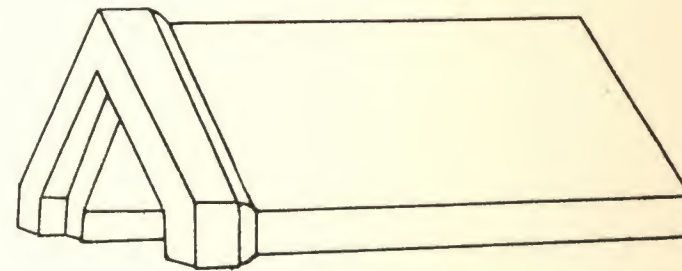
*NO. 211 RIDGE  
LUDOWICI-CELADON CO.  
SCALE 3" EQUAL 1'-0"  
TO BE USED WITH  
"IMPERIAL" CLOSED SHINGLE TILE*



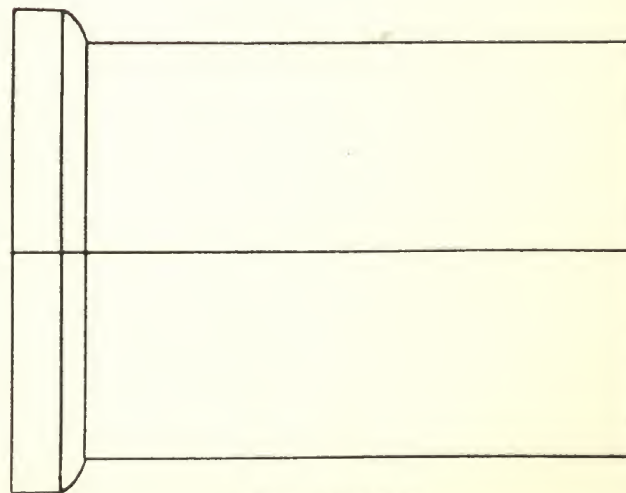
*SECTION*



*SIDE*



*SKETCH*

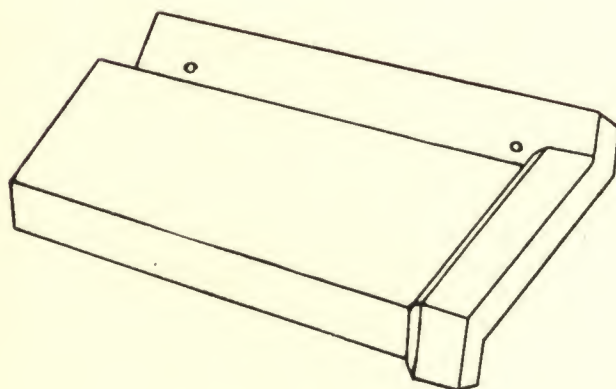


*PLAN*

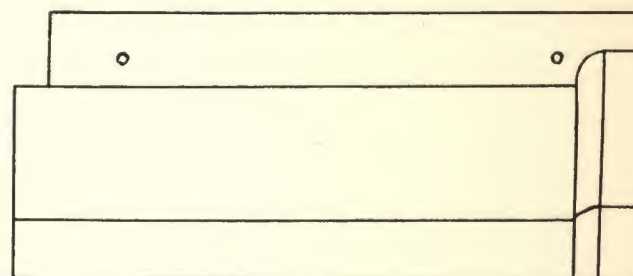




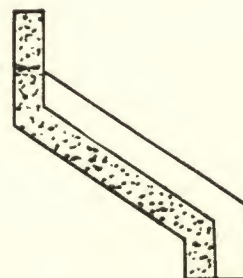
*NO. 211 DECK MOULD RAISED FLANGE  
LUDOWICI-CELADON CO.  
SCALE 3" EQUAL 1'-0"*



*SKETCH*



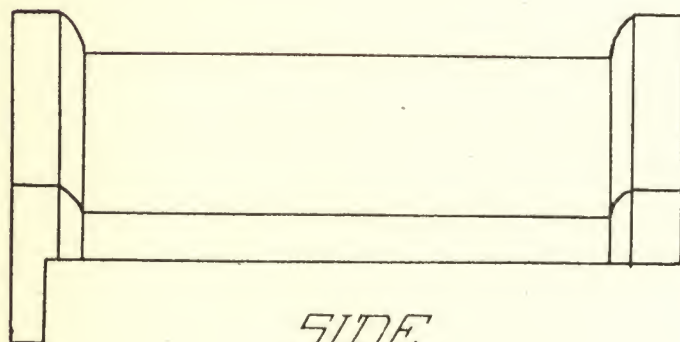
*SIDE*



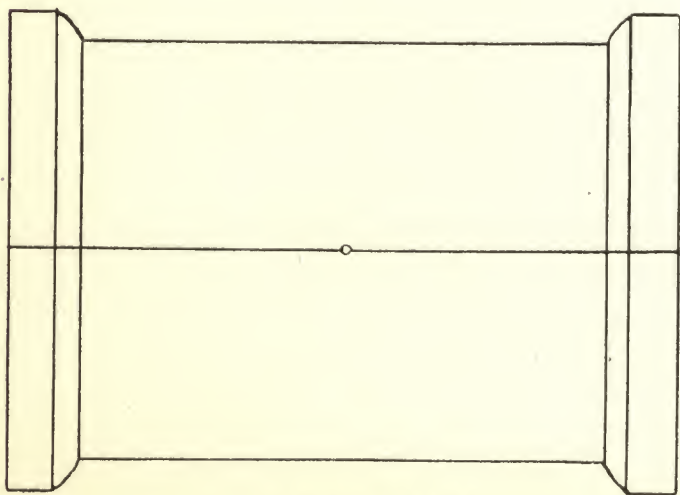
*SECTION*



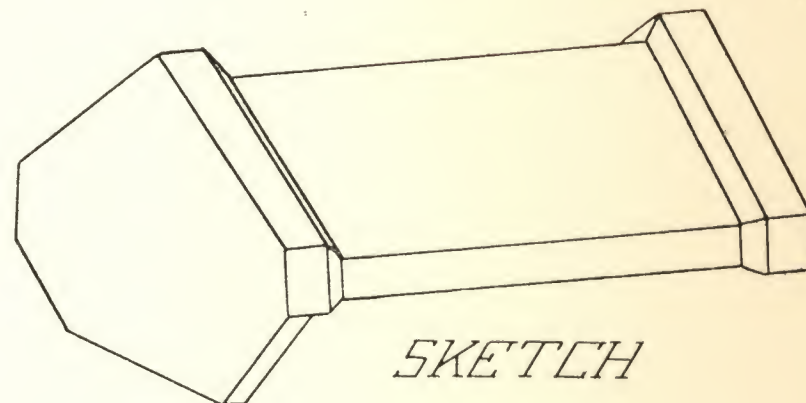
*NO. 211 CLOSED RIDGE END  
LUDOWICI-CELADON CO.  
SCALE 3" EQUAL 1'-0"  
TO BE USED WITH  
"IMPERIAL" CLOSED SHINGLE TILE*



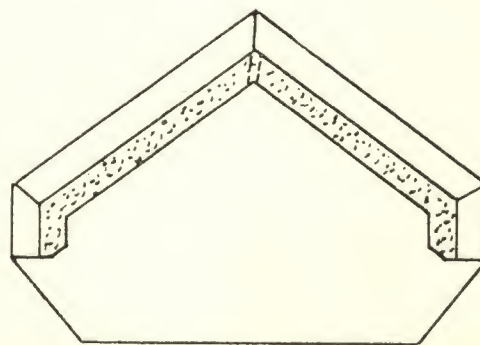
*SIDE*



*PLAN*



*SKETCH*

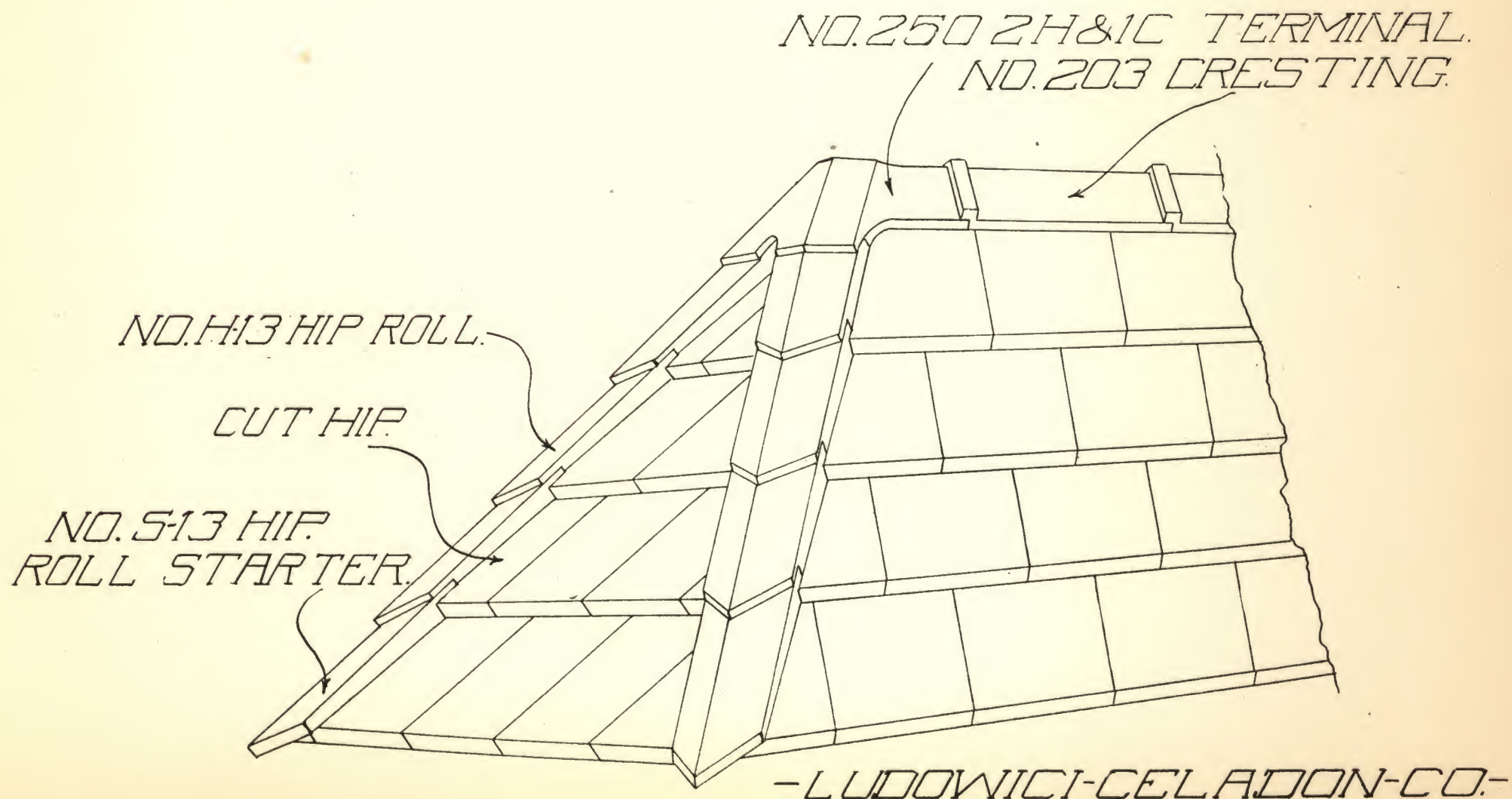


*SECTION*





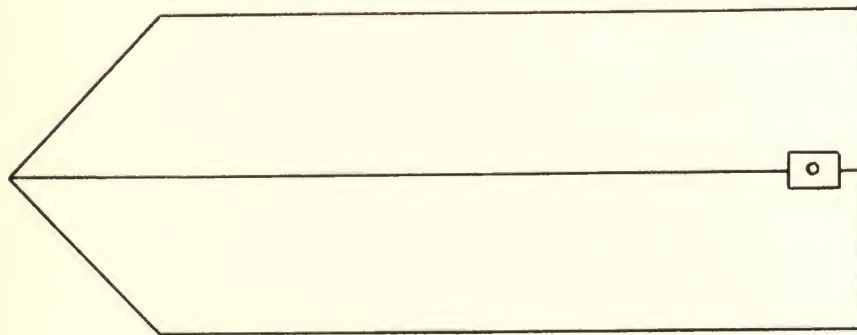
SKETCH OF "IMPERIAL" ENGLISH TILE SHOWN  
WITH CUT HIPPS, NO. H-13 HIP ROLL, NO. S-13 HIP ROLL  
STARTERS, NO. 203 CRESTING AND NO. 250 2H&1C  
TERMINAL.



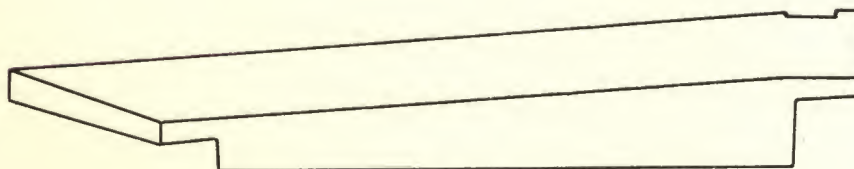




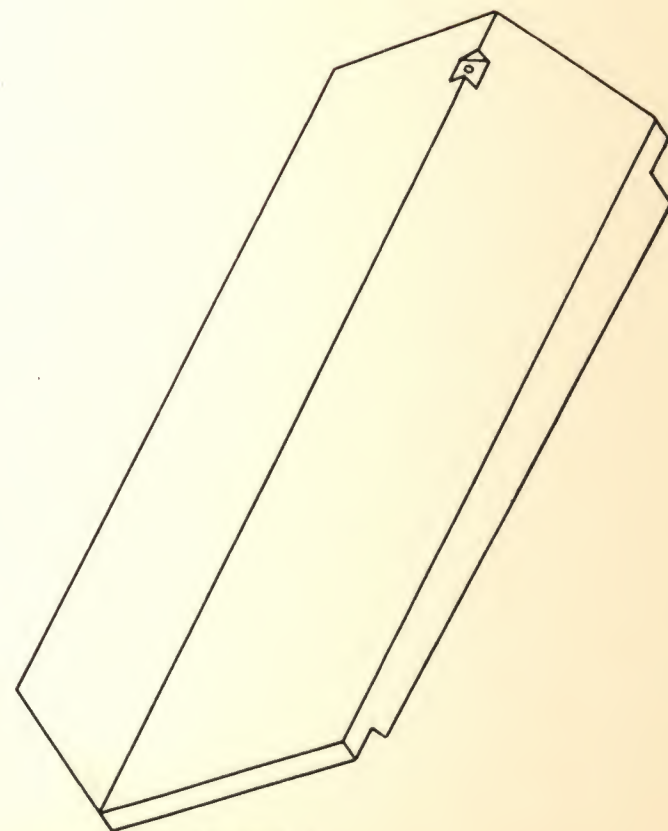
*H-13 HIP ROLL  
LUDOWICI-CELADON CO.  
SCALE EQUAL 1"0"*



*PLAN*



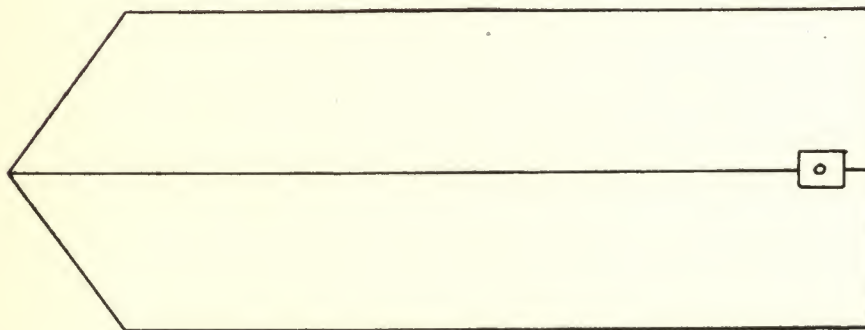
*SIDE*



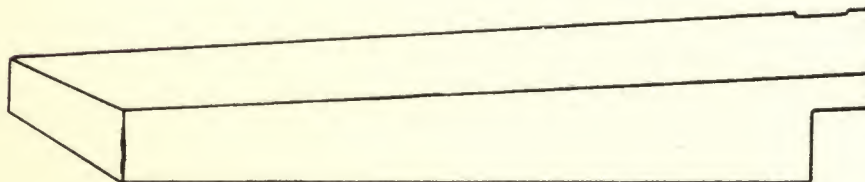
*SKETCH*



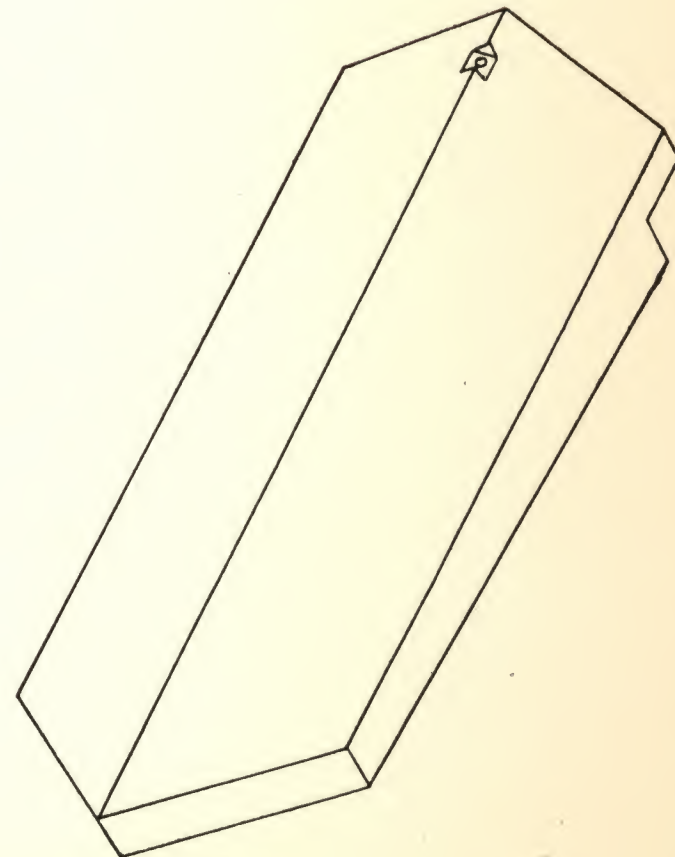
*513 HIP STARTER  
LUDOWICI - CELADON CO.  
SCALE 3" EQUAL 1'-0"*



*PLAN*



*SIDE*

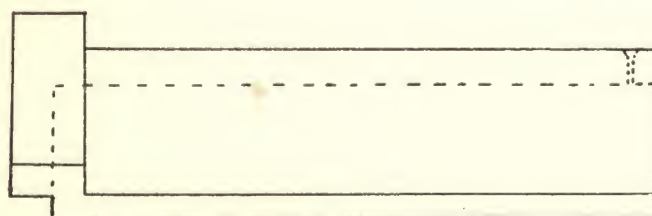


*SKETCH*

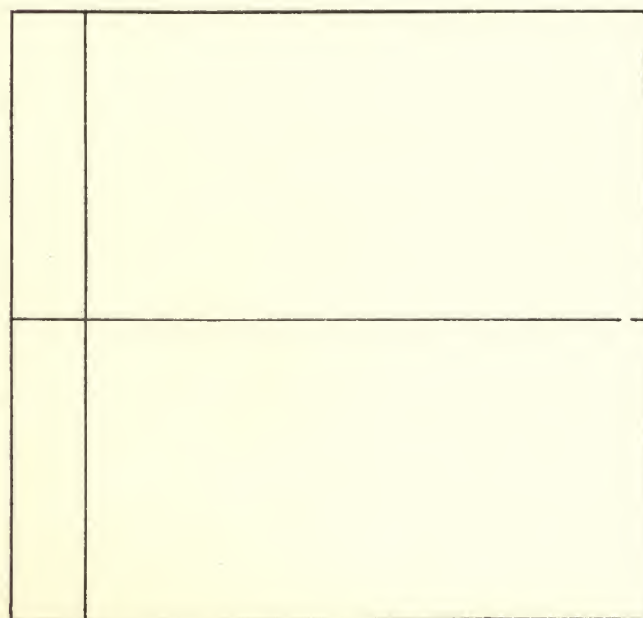




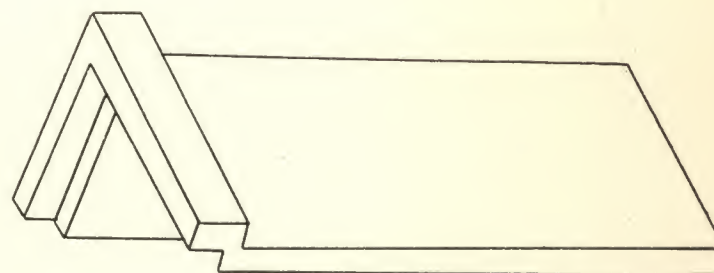
*NO. 203 RIDGE  
LUDOWICI-CELADON CO.  
SCALE 3" EQUAL 1'-0"*



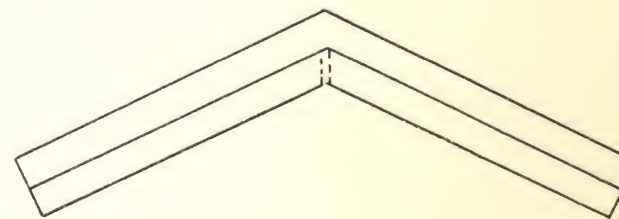
*SIDE*



*PLAN*



*SKETCH*

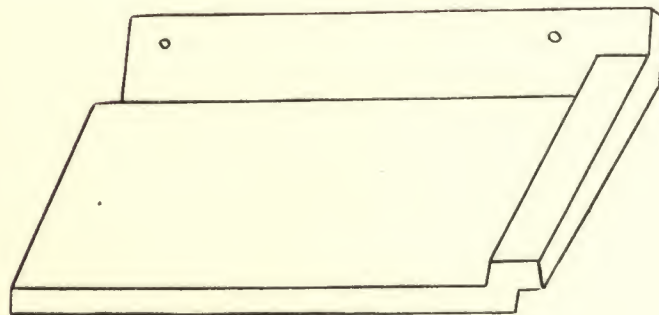


*END*

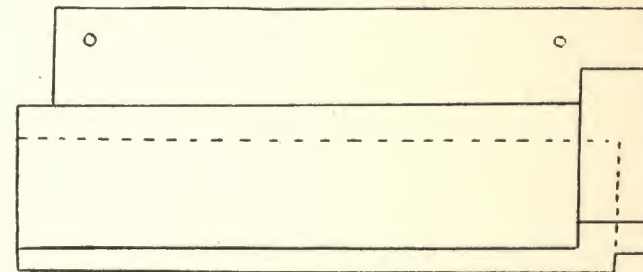




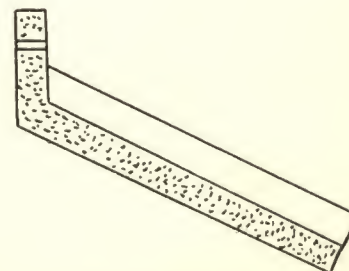
*NO. 203 DECK MOULD RAISED FLANGE  
LUDOWICI-CELADON CO.  
SCALE 3" EQUAL 1-0"*



*SKETCH*



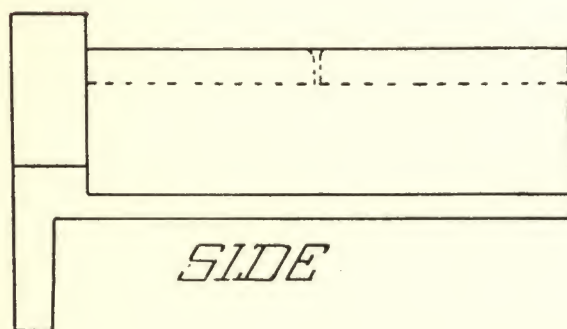
*SIDE*



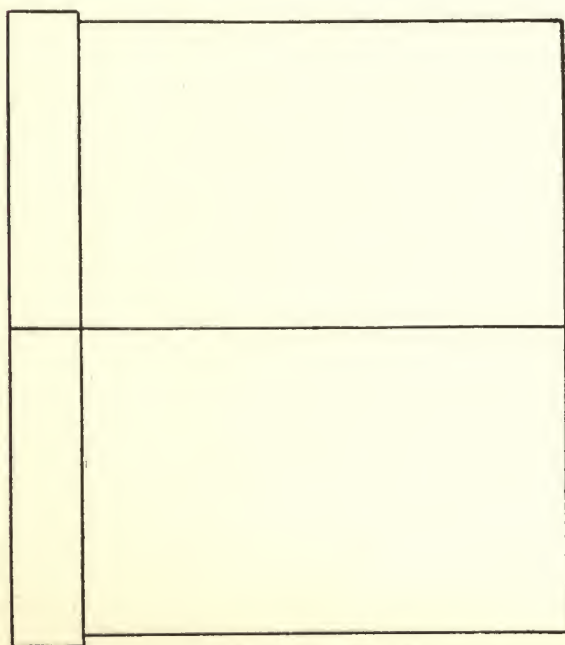
*SECTION*



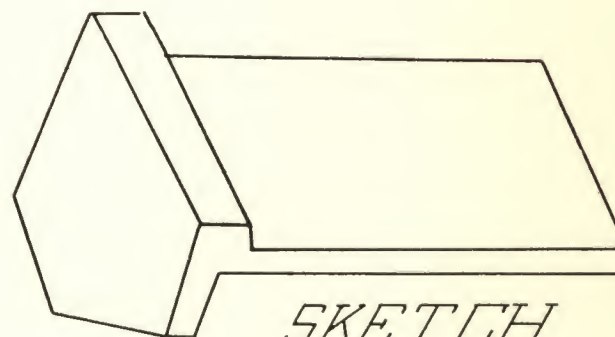
*NO. 203 CLOSED RIDGE END  
LUDOWICI-CELADON CO.  
SCALE 3" EQUAL 10"*



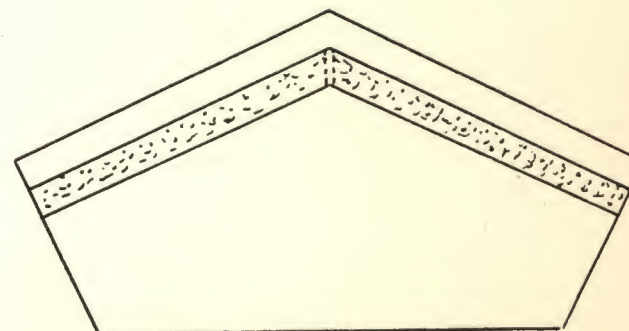
*SIDE*



*PLAN*



*SKETCH*

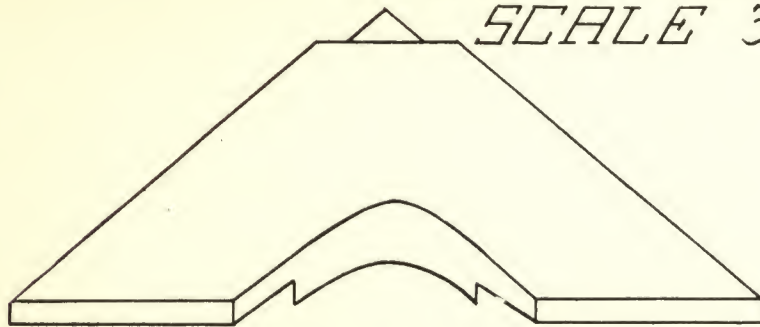


*SECTION*

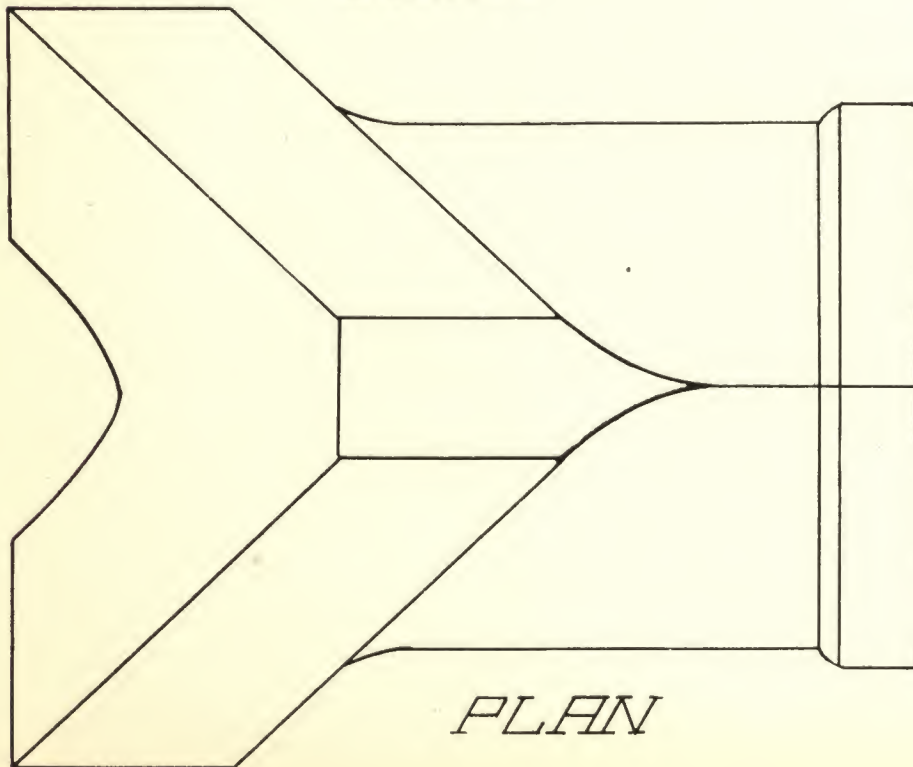




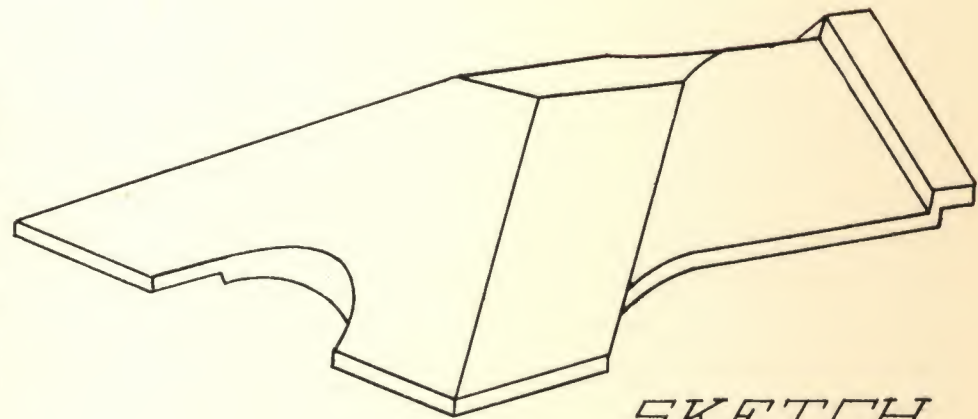
NO. 250 ZH+IC TERMINAL  
 FOR  
 NO. 203 RIDGE AND NO. H13 HIP ROLL  
 LUDOWICI-CELADON CO.  
 SCALE 3" EQUAL 1'-0"



FRONT



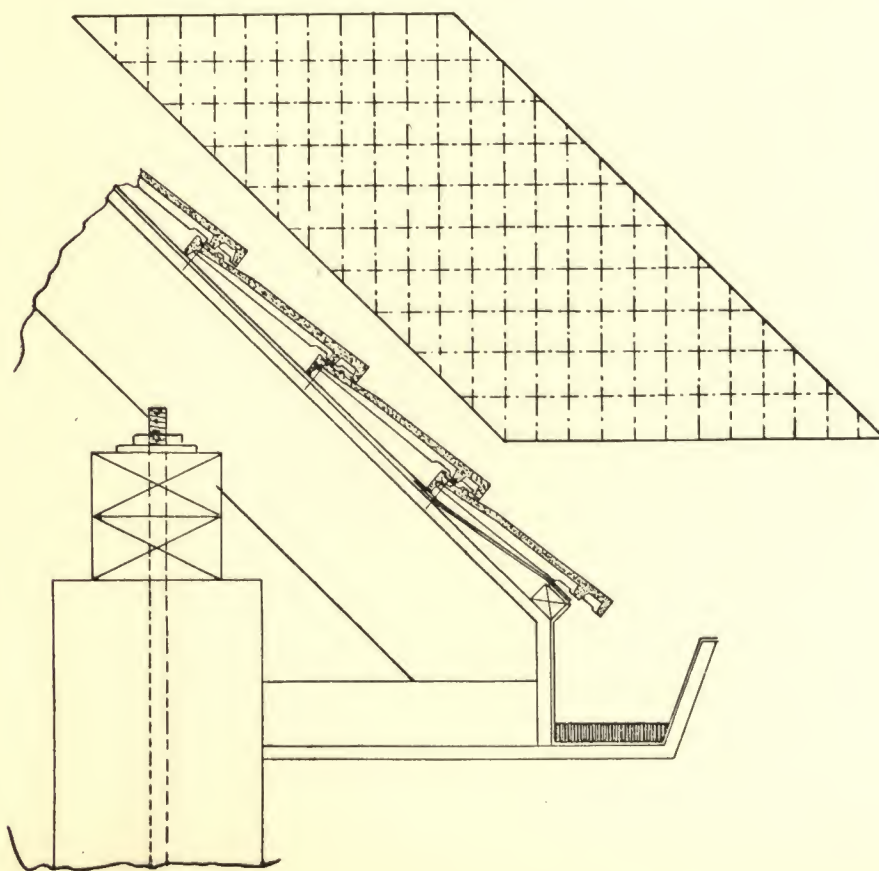
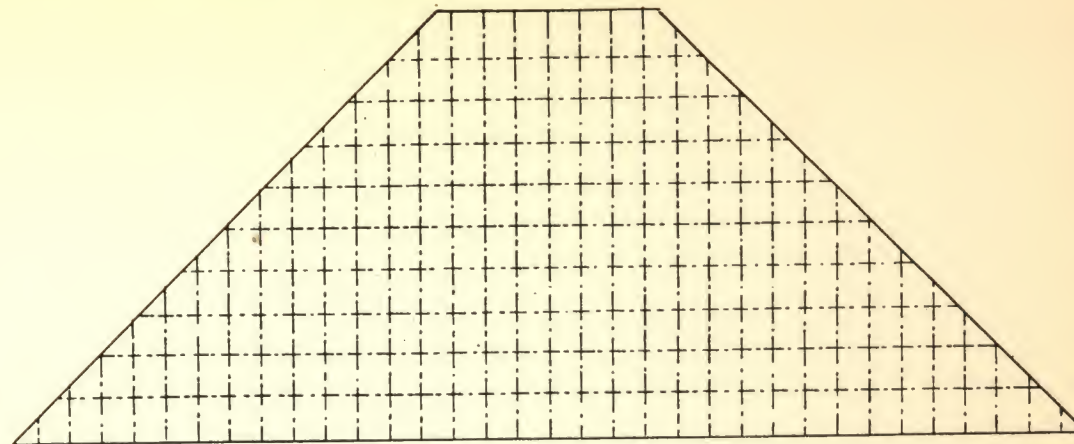
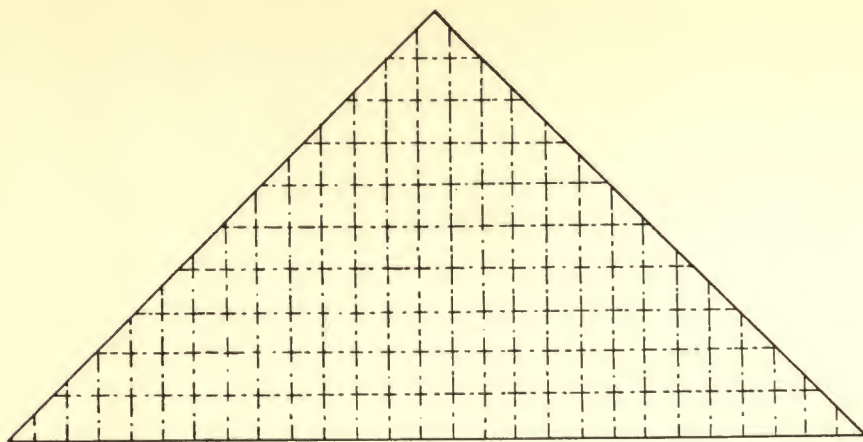
PLAN



SKETCH







These illustrations show the proper method of lining roof for "Imperial" English Tile.

These tile lay approximately  $7\frac{3}{4}$  inches width by 10 inches length. However, all shale tile has a range of size according to shade, which must be taken into consideration when lining roof. Therefore spacing must be increased or decreased as the shipment requires, but not so as to stretch the courses.

The sectional drawing shows the tile laid in connection with the gutter.









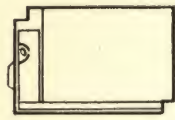
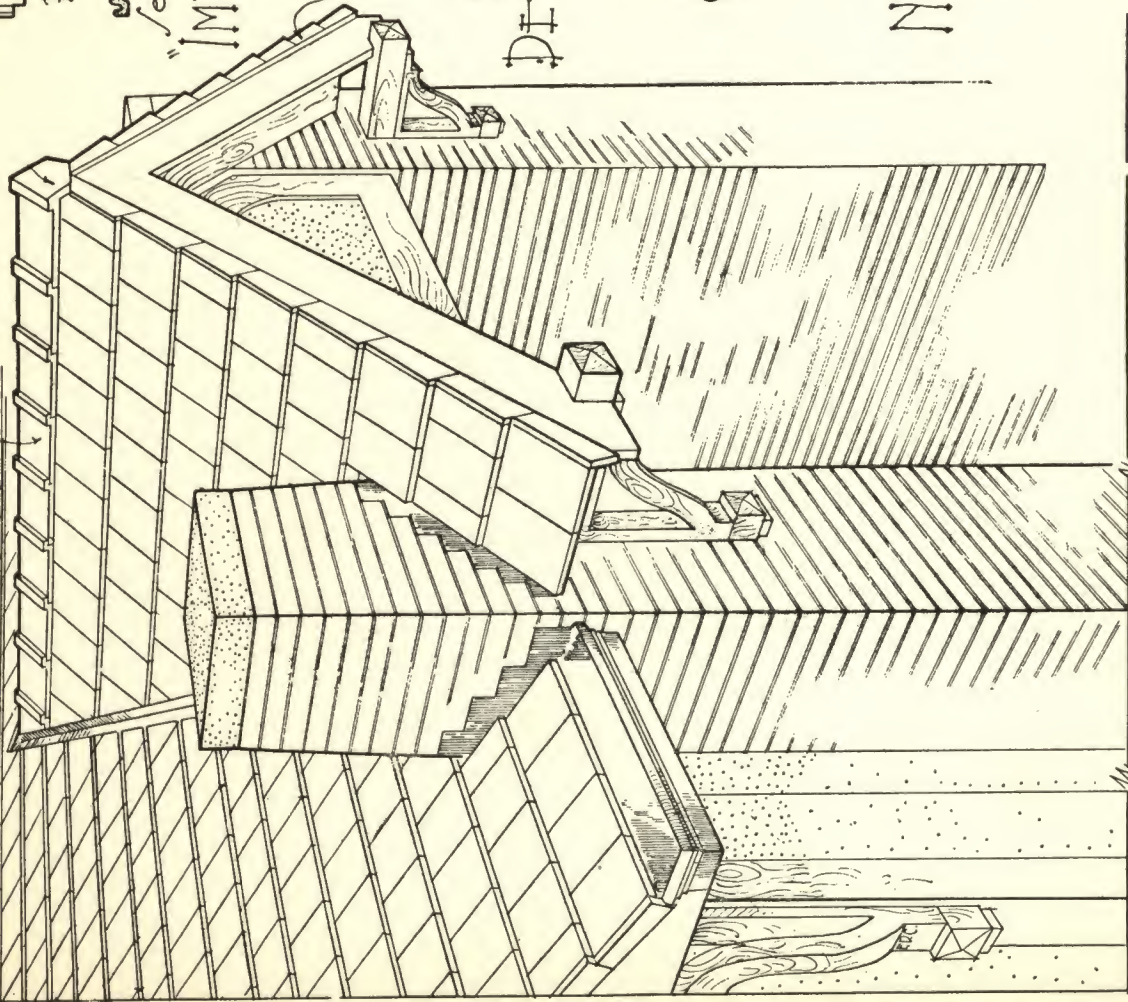
THE UNIVERSITY OF CHICAGO

LIBRARY OF THE UNIVERSITY OF CHICAGO

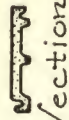


No 203 Ridge

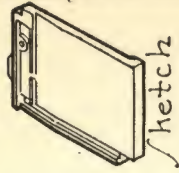
No 203 Closed Ridge End



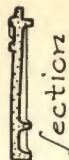
Plan



Section



Sketch

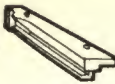


Section

IMPERIAL ENGLISH

TILE

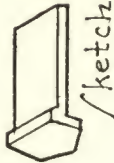
Detached Gable Rake



End

Sketch

DETACHED GABLE  
RAKE

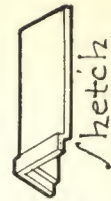


Sketch



Section

No 203 CLOSED  
RIDGE END

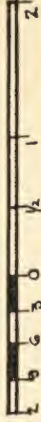


Sketch



End

PERSPECTIVE OF INTRANCE  
SHOWING IMPERIAL  
ENGLISH TILE ROOF  
No 203 RIDGE  
SCALE OF TILE DETAILS



LUDOWICI-CELADON COMPANY

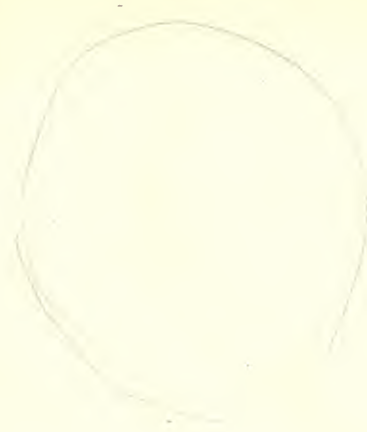
MANUFACTURERS OF  
TERRAZZOTTI "IMPERIAL" ENGLISH TILE  
ROOFING TILES

GENERAL OFFICES  
104 S. MICHIGAN AVE  
CHICAGO, ILL.

Gl. Lockhart, Del.

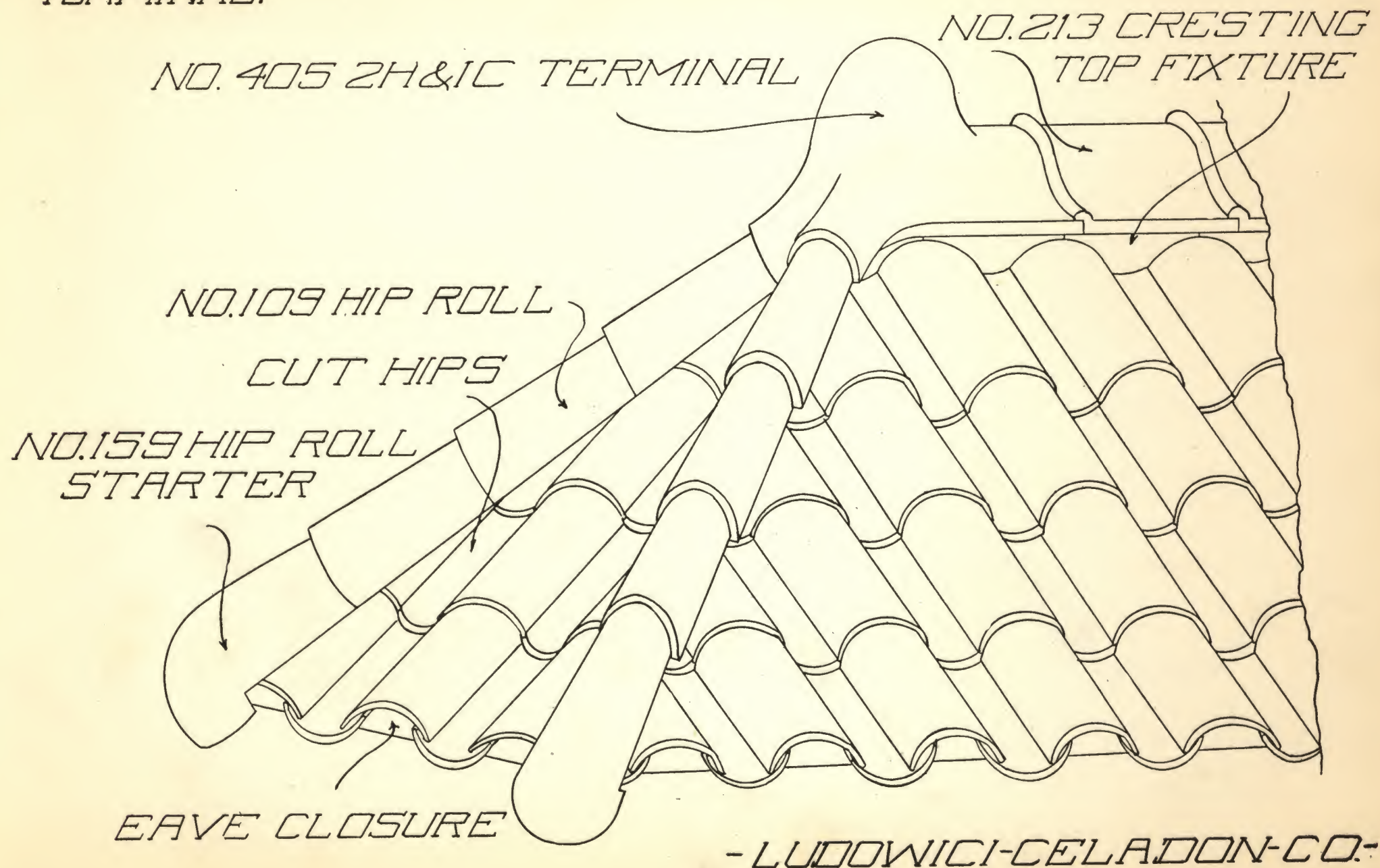


522





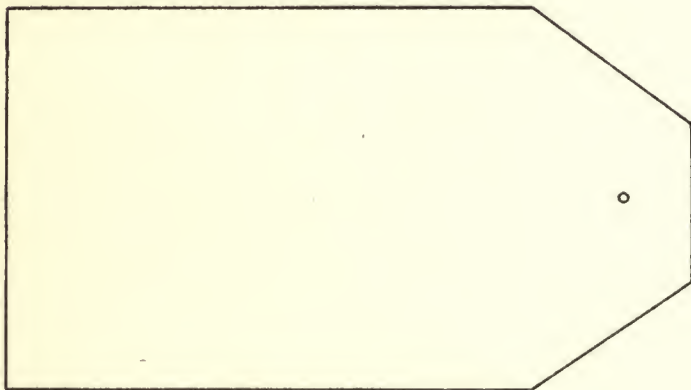
SKETCH OF 'IMPERIAL' MISSION TILE SHOWN  
WITH CUT HIPs, NO. 109 HIP ROLL, NO. 159 HIP ROLL  
STARTERS, NO. 213 CRESTING AND NO. 405-2H&1C  
TERMINAL.



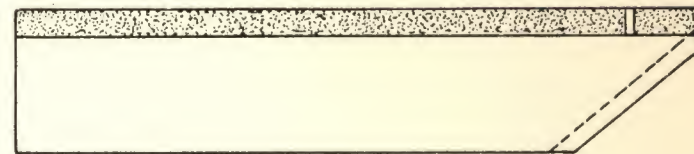




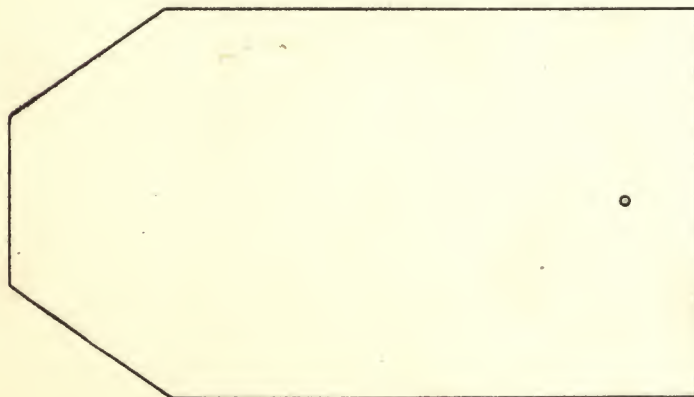
*"IMPERIAL" MISSION TILE*  
*LUDOWICI-CELADON CO.*  
*SCALE 3" EQUAL 1'-0"*



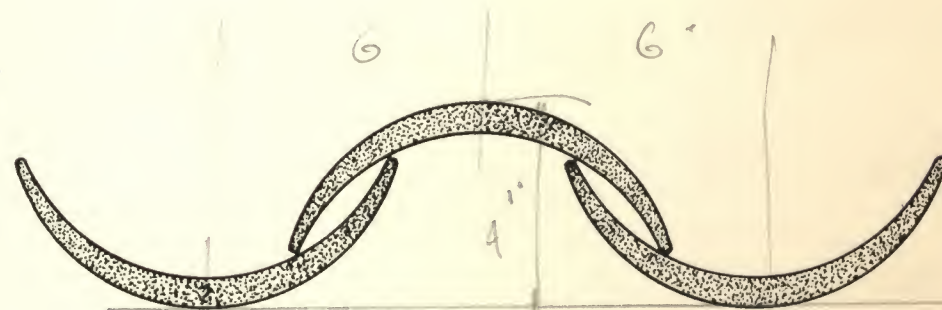
*PLAN OF ROLL*



*SECTION OF ROLL*



*PLAN OF PAN*



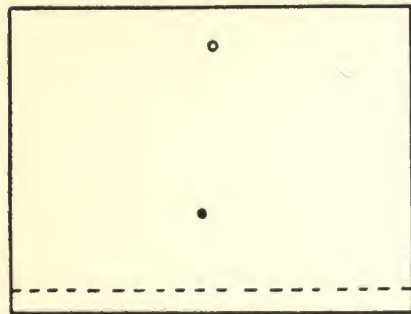
*SECTION THRU PAN AND ROLLS*



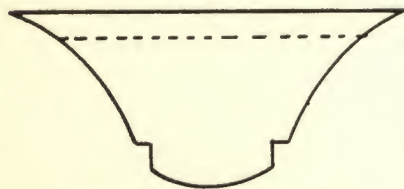


TOP FIXTURE  
FOR  
"IMPERIAL" MISSION TILE

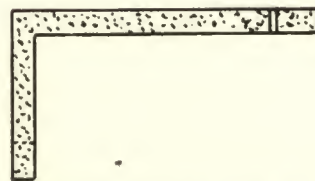
LUDOWICI - CELADON CO.  
SCALE 3" EQUAL 1'-0."



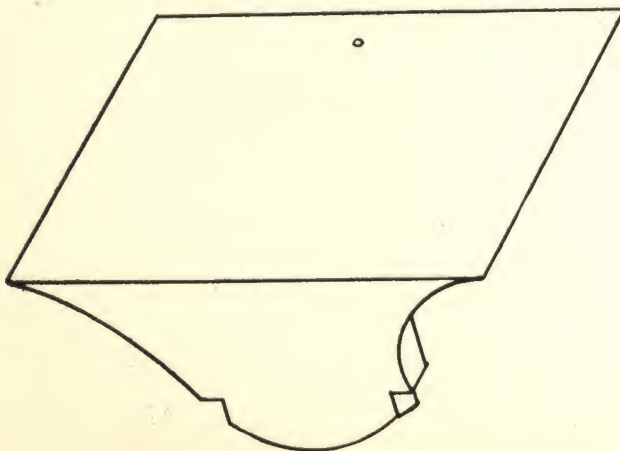
PLAN



FRONT

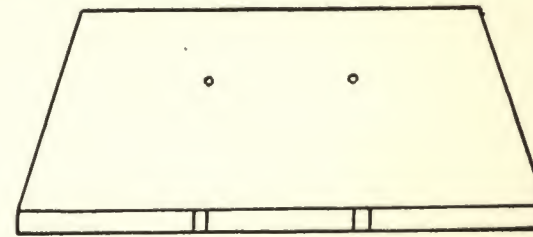


SECTION

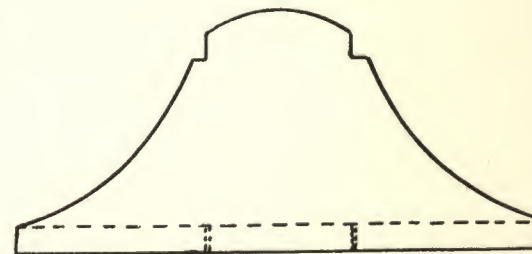


SKETCH

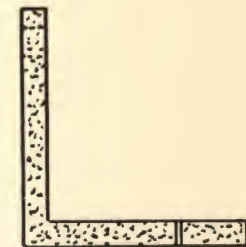
EAVE CLOSURE  
FOR  
"IMPERIAL" MISSION TILE



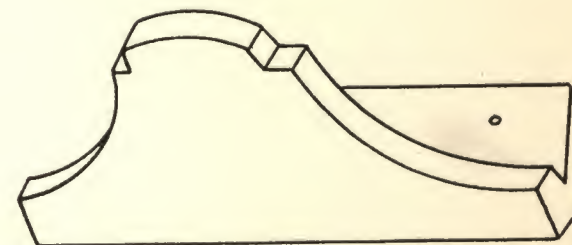
PLAN



FRONT



SECTION

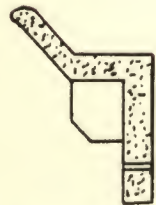


SKETCH

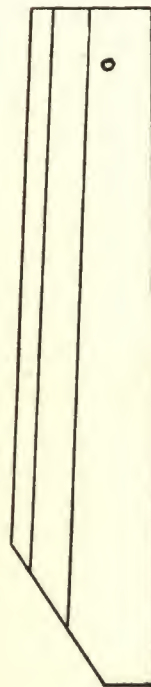




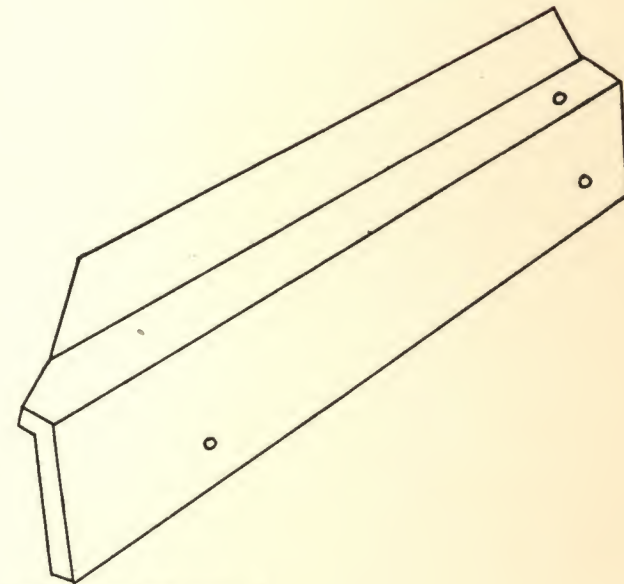
*DETACHED GABLE RAKE  
FOR  
"IMPERIAL" MISSION TILE  
LUDOWICI-CELADON CO.  
SCALE 3" EQUAL 1'-0"*



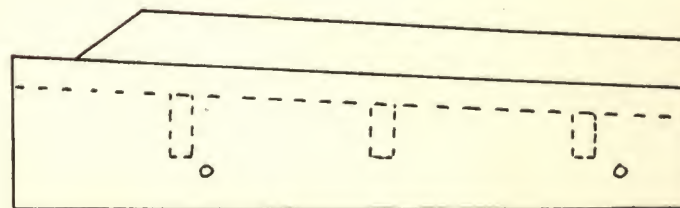
*SECTION*



*PLAN*



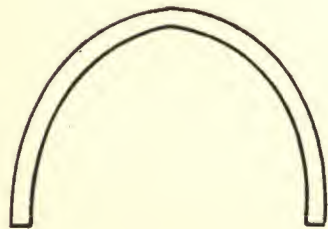
*SKETCH*



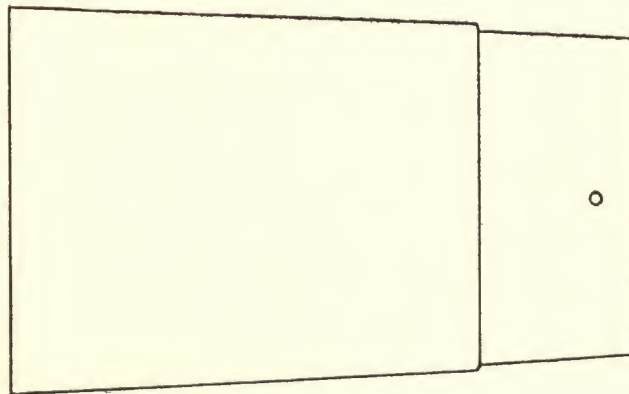
*SIDE*



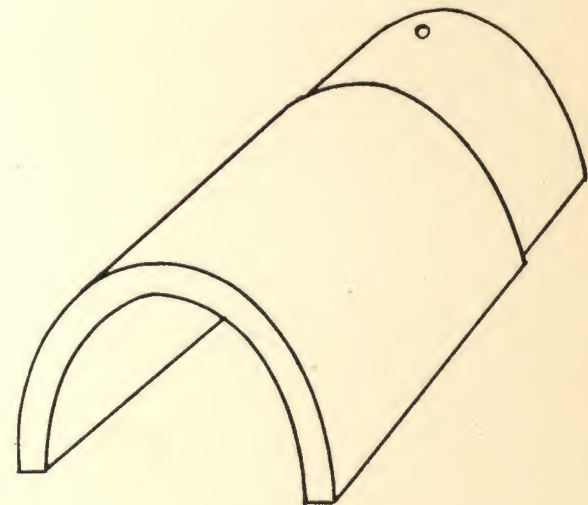
*NO 109 HIP ROLL  
LUDOWICI-CELADON CO  
SCALE 3" EQUAL 10"*



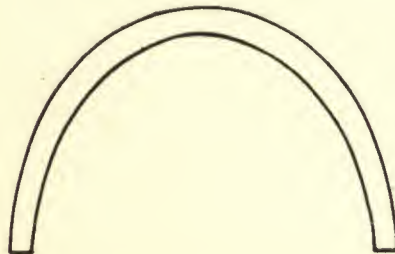
*SMALL END*



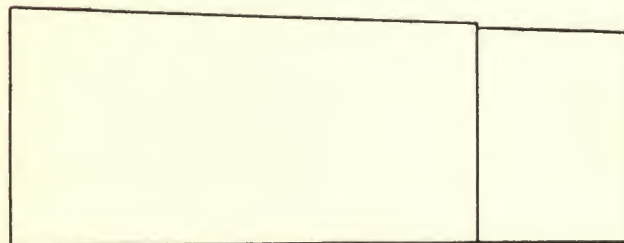
*PLAN*



*SKETCH*



*LARGE END*

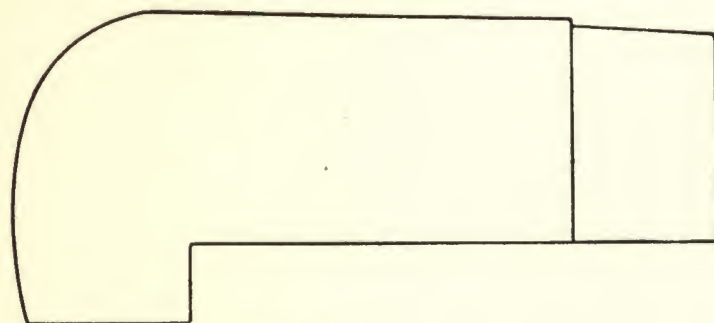


*SIDE*

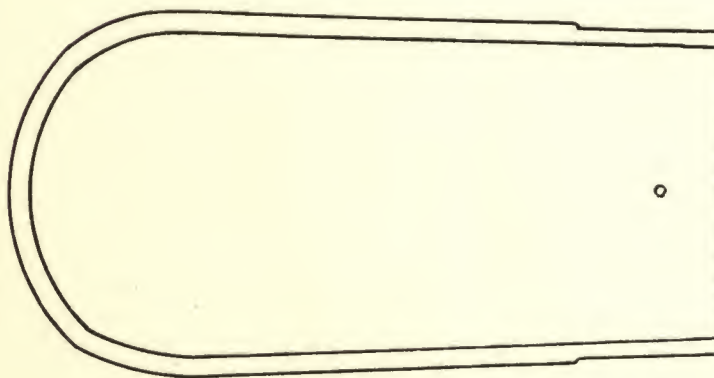




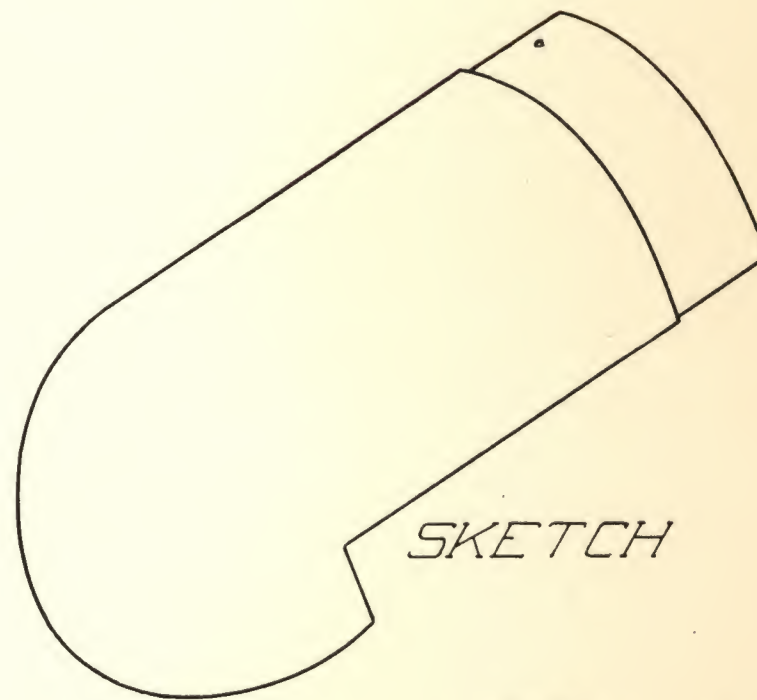
NO 159 HIP STARTER  
LUDOWICI-CELADON CO  
SCALE 3" EQUAL 1'-0".



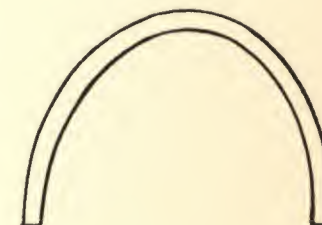
*SIDE*



*PLAN*



*SKETCH*

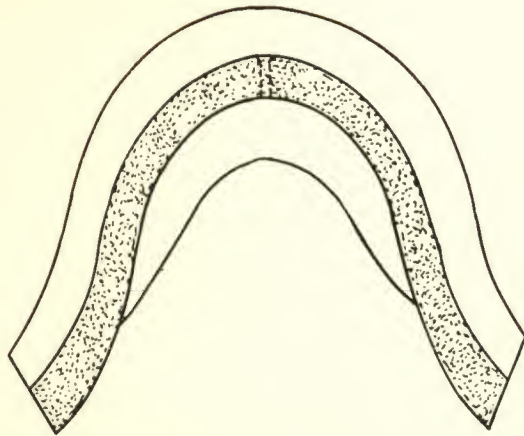


*END*

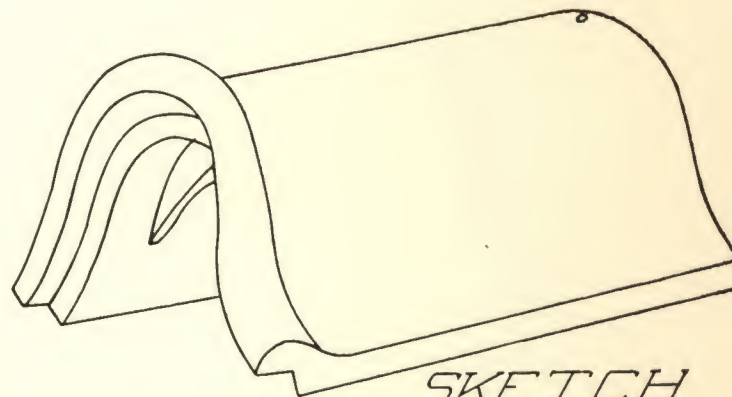




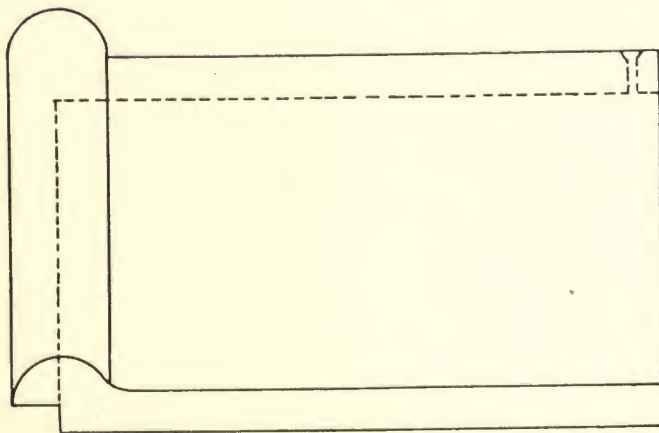
NO 213 RIDGE  
LUDOWICI-CELADON CO.  
SCALE 3' EQUAL 1'-0"



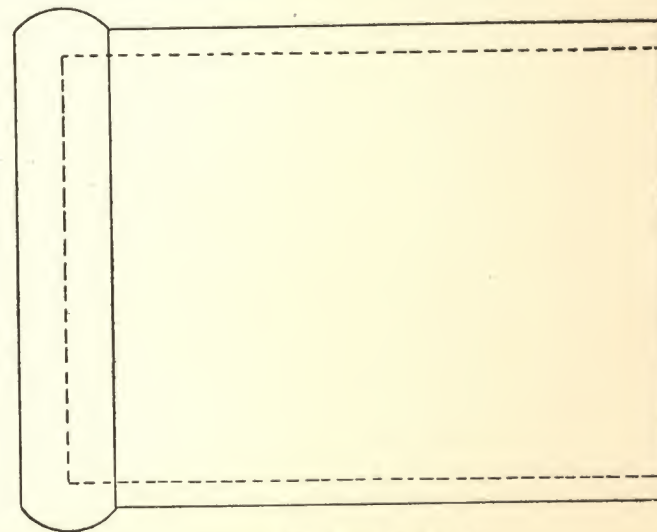
SECTION



SKETCH



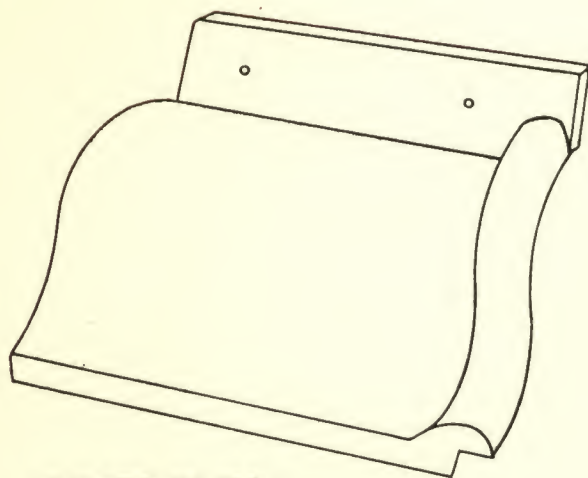
SIDE



PLAN



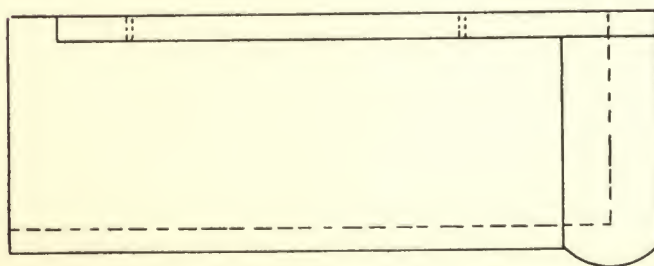
*NO. 213 DECK MOULD RAISED FLANGE*  
*LUDOWICI-CELADON CO.*  
*SCALE 3" EQUAL 1'-0"*



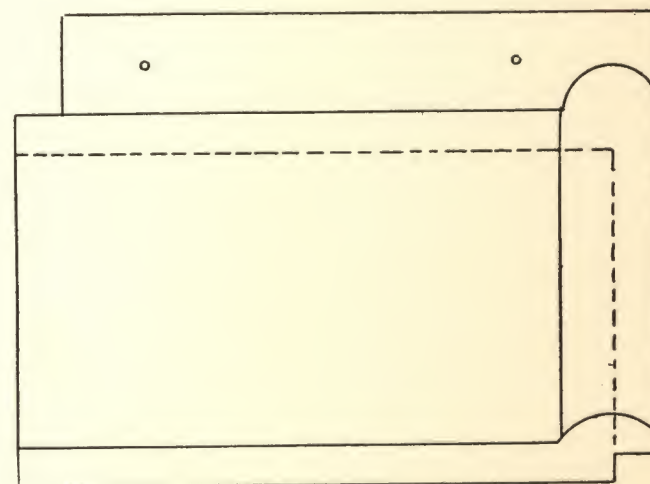
*SKETCH*



*SECTION*



*PLAN*

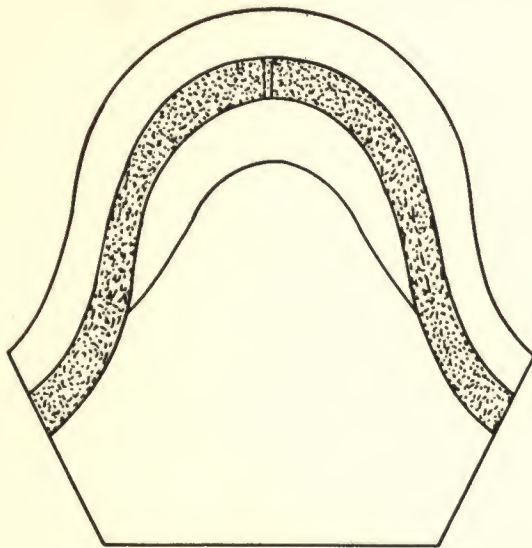


*FRONT VIEW*

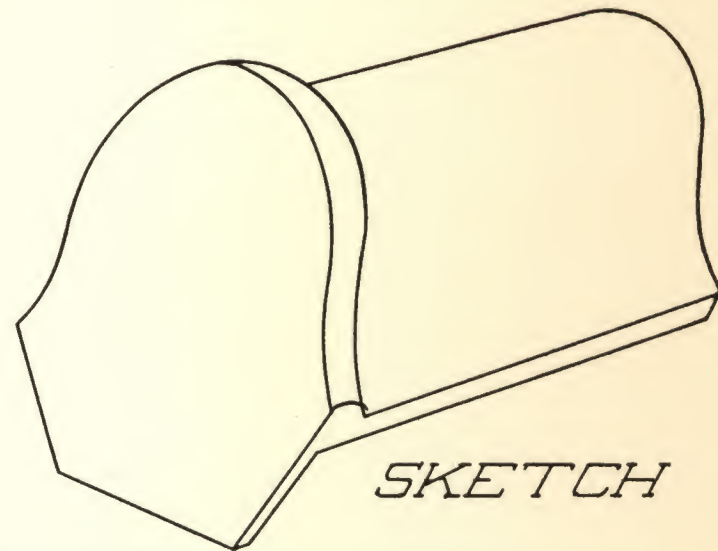




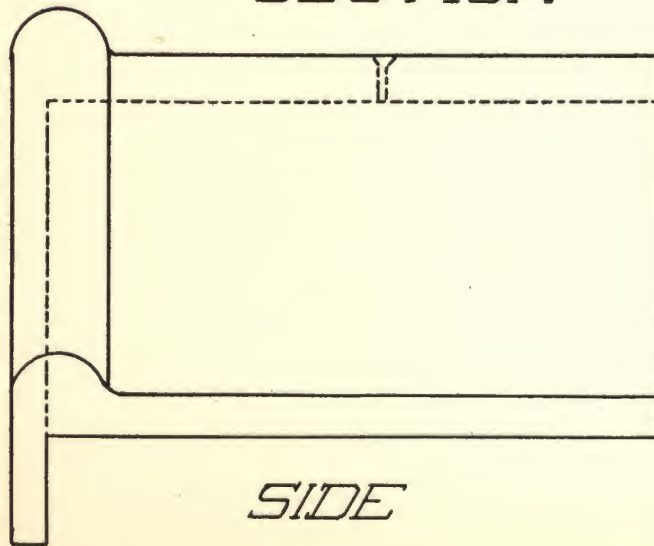
*NO. 213 CLOSED RIDGE END  
LUDOWICI-CELADON CO.  
SCALE 3" EQUAL 1'-0"*



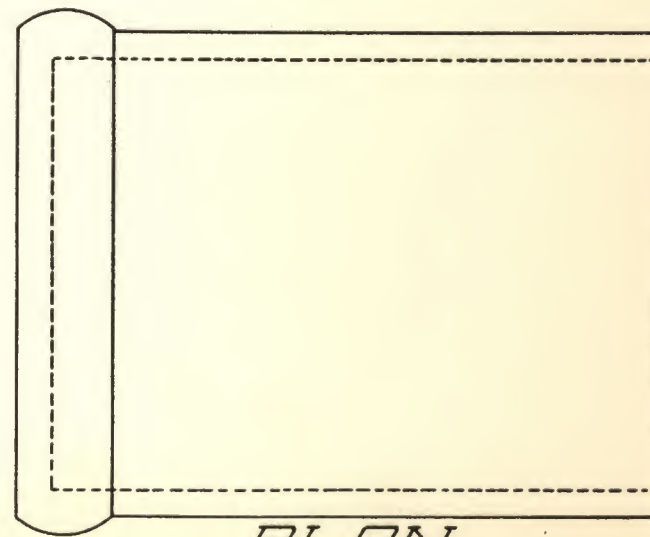
*SECTION*



*SKETCH*



*SIDE*



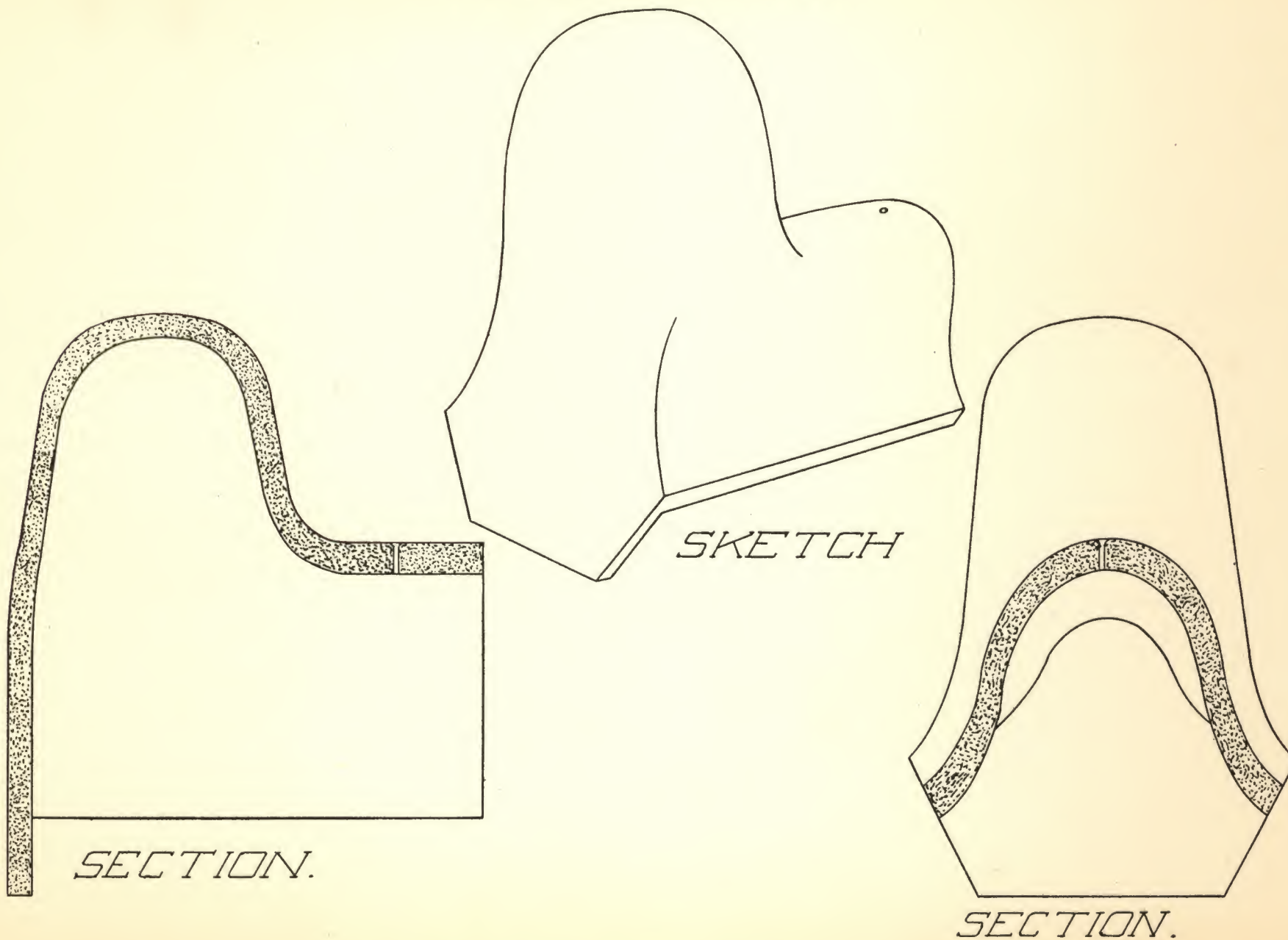
*PLAN*

W. H. C. 1875



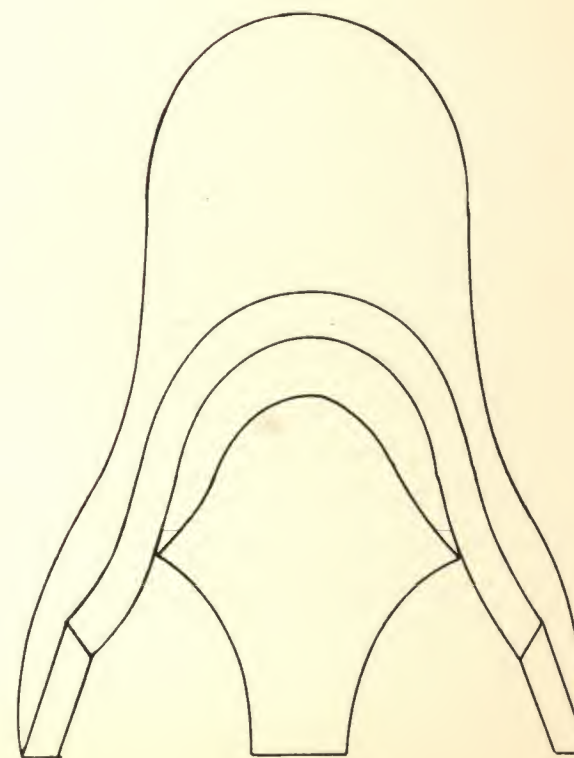
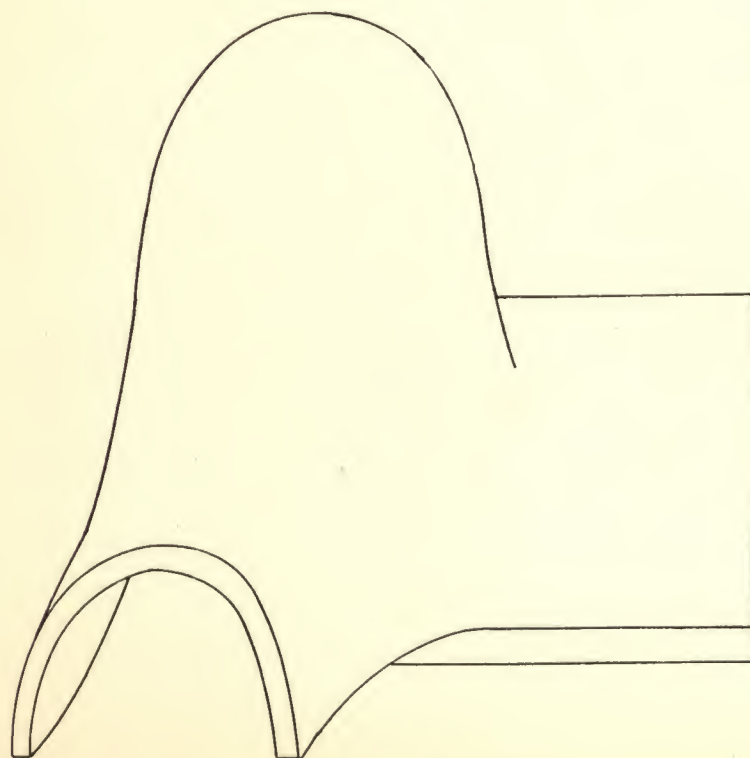
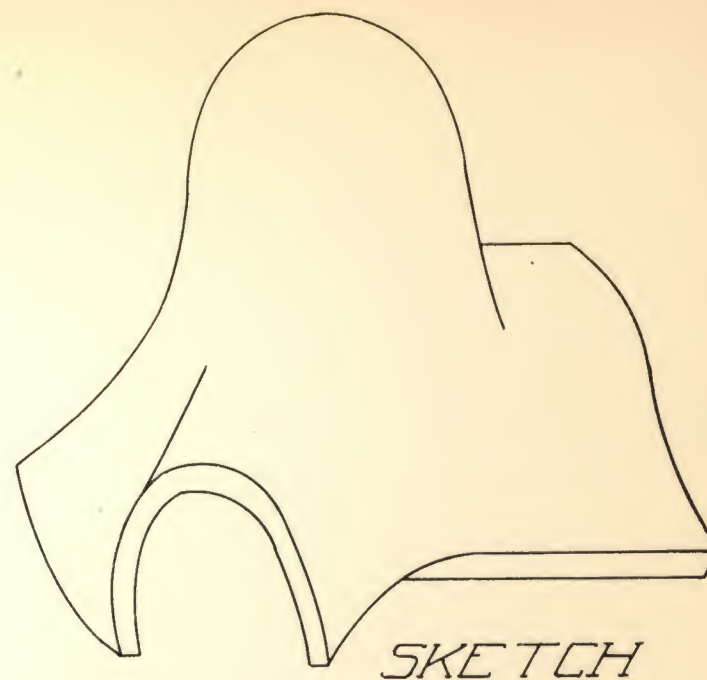


*NO. 406 GABLE TERMINAL  
LUDOWICI-CELADON CO.  
SCALE 3" EQUAL 1'-0."  
FOR NO. 213 RIDGE*





NO. 405 2H&IR TERMINAL  
FOR  
NO. 109 HIP ROLL & NO 213 RIDGE  
LUDOWICI-CELADON CO.  
SCALE 3" EQUAL 1'-0"

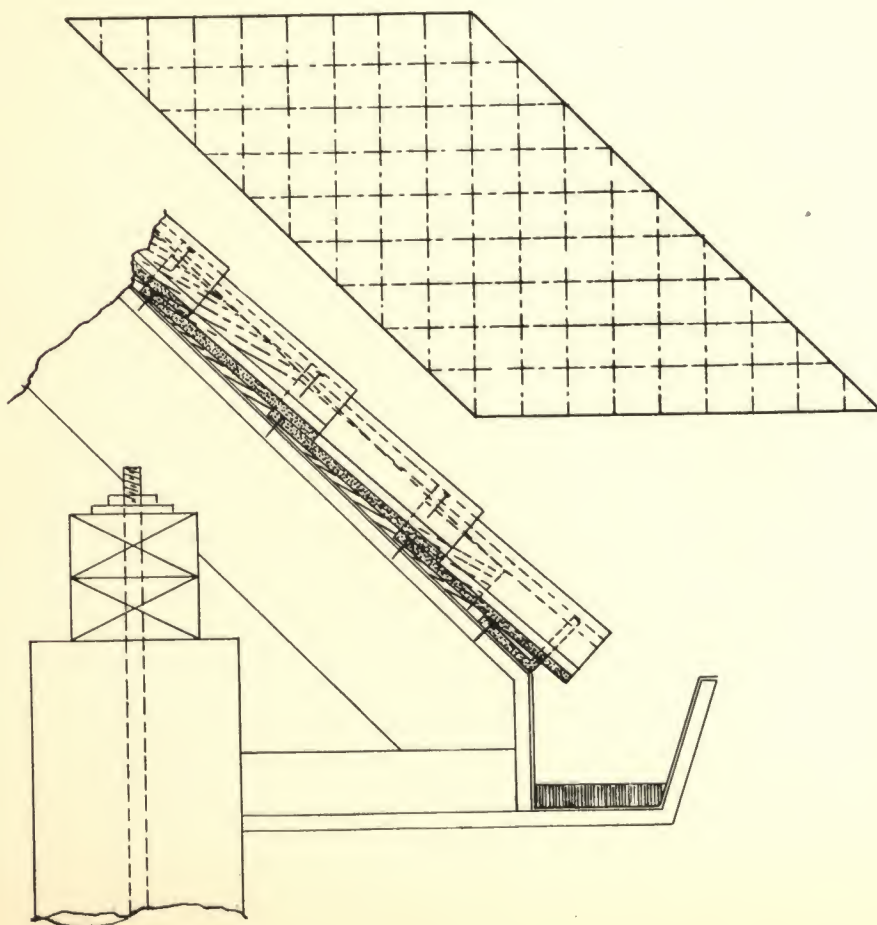
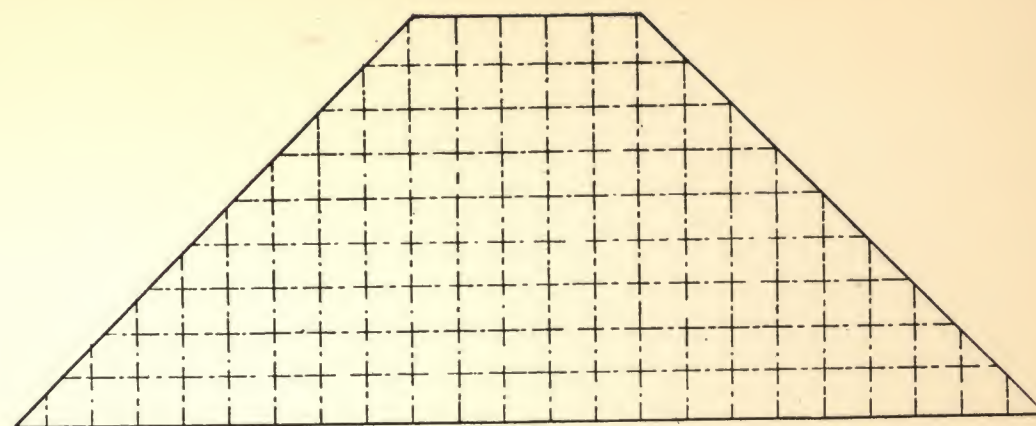
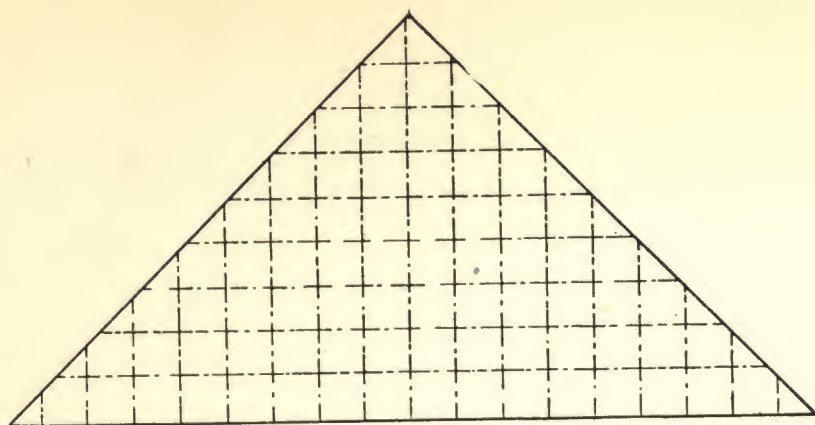


*SIDE*

*END*







These illustrations show the proper method of lining roof for "Imperial" Mission Tile.

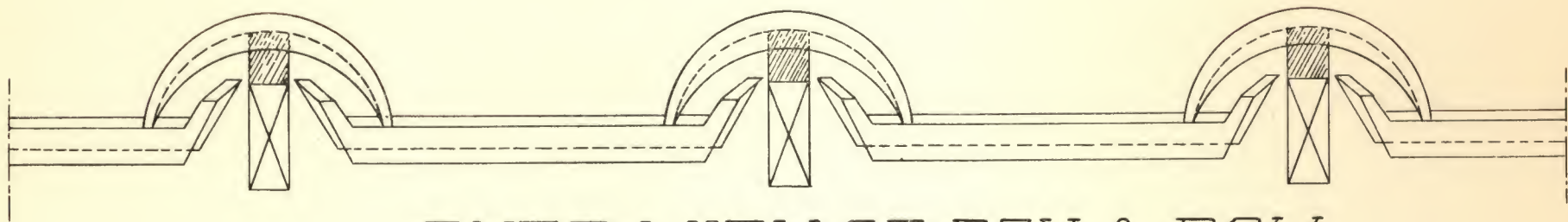
These tile lay approximately  $11\frac{1}{2}$  inches width, center to center of covers, by 11 inches length. However, all shale tile has a range of size according to shade, which must be taken into consideration when lining roof. Therefore spacing must be increased or decreased as the shipment requires, but not so as to stretch the courses.

The sectional drawing shows the tile laid in connection with the gutter.

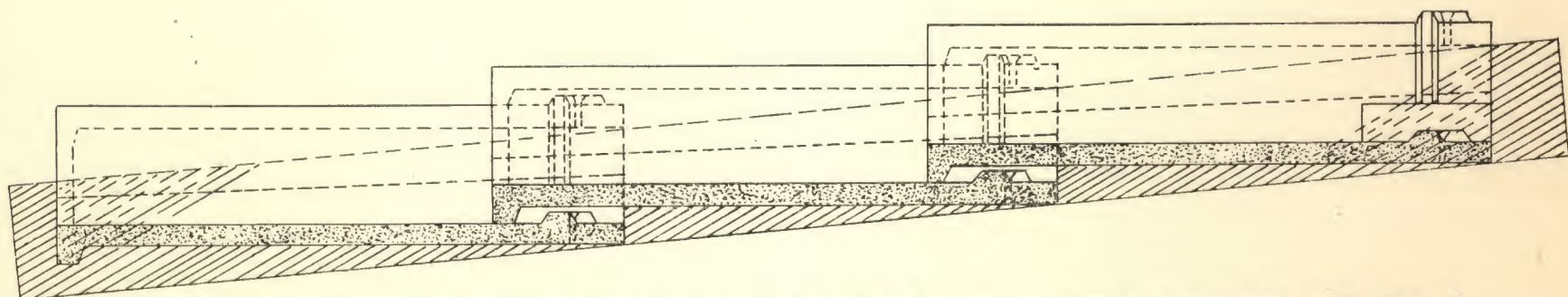
1. The first part of the paper  
describes the general situation  
of the country and the  
position of the city of  
London. It is a very  
interesting and useful  
work. The second part  
describes the history of the  
city of London. It is a  
very interesting and useful  
work. The third part  
describes the present  
situation of the city of  
London. It is a very  
interesting and useful  
work.



*"IMPERIAL" ROMAN TILE  
LUDOWICI-CELADON CO.  
SCALE 3" EQUAL 1'-0."*



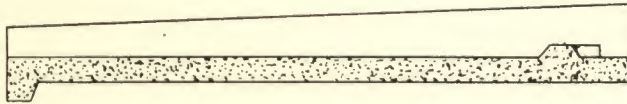
*BUTT VIEW OF PAN & ROLL*



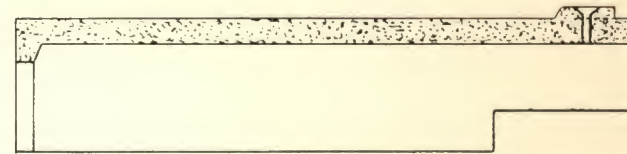
*SECTION THRU PAN LOOKING TOWARD ROLL.*



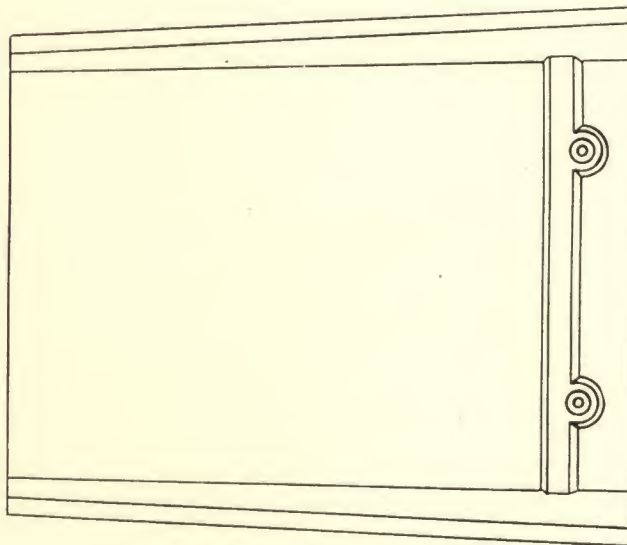
*"IMPERIAL" ROMAN TILE*  
*LUDOWICI-CELADON CO.*  
*SCALE 3" EQUAL 1'-0"*



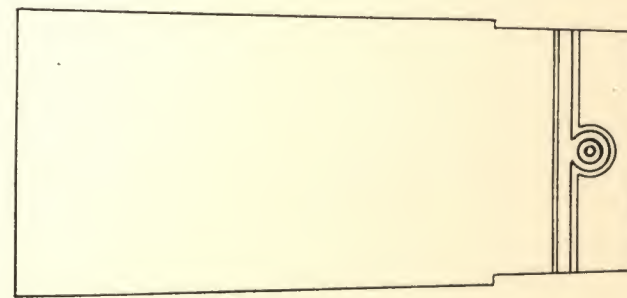
*SECTION OF PAN*



*SECTION OF ROLL*



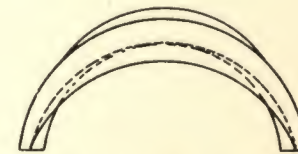
*PLAN OF PAN*



*PLAN OF ROLL*



*END VIEW OF PAN*

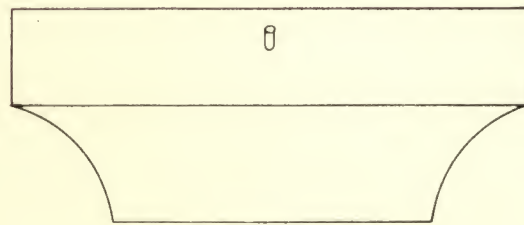


*END VIEW OF ROLL*

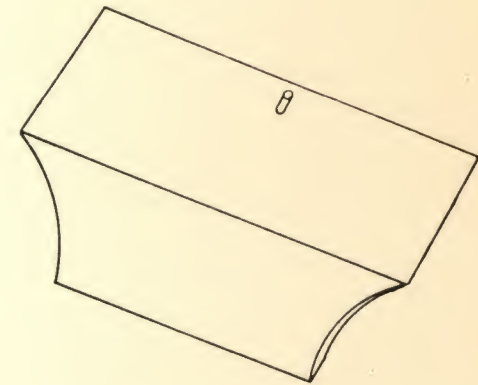




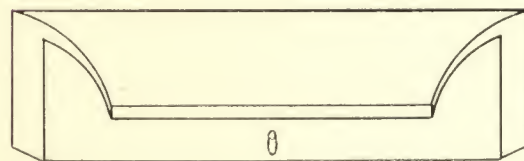
TOP FIXTURE  
 FOR  
 "IMPERIAL" ROMAN TILE  
 LUDOWICI-CELADON CO.  
 SCALE 3" EQUAL 1'-0."



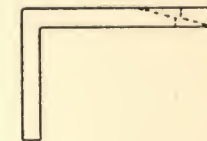
SKETCH LOOKING DOWN



SKETCH



SKETCH LOOKING UP

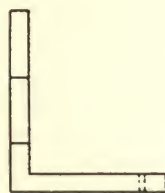


SIDE VIEW

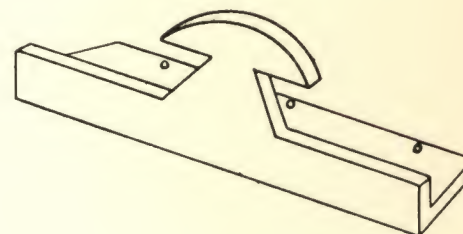




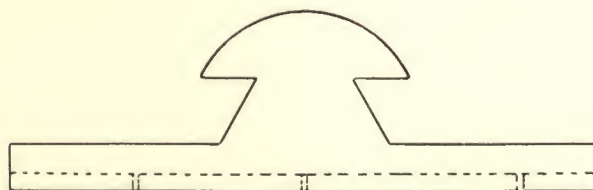
*MISSION EAVE CLOSURE  
FOR  
"IMPERIAL" ROMAN TILE  
LUDOWICI-CELADON CO.  
SCALE 3" EQUAL 1'-0."*



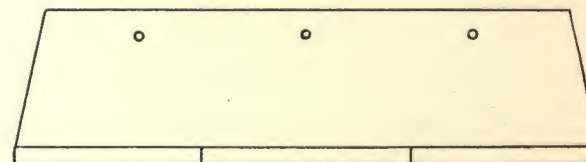
*SIDE VIEW*



*SKETCH*



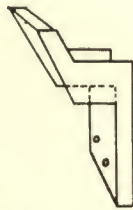
*FRONT VIEW*



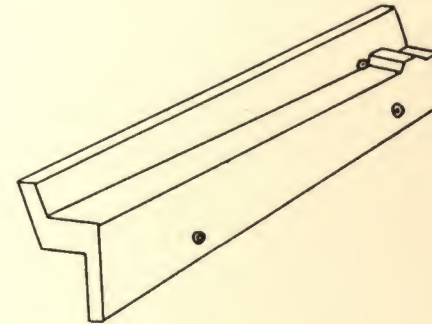
*PLAN*



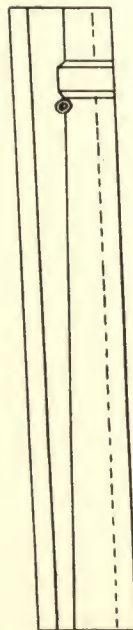
DETACHED GABLE RAKE  
 FOR  
 "IMPERIAL" ROMAN TILE  
 LUDOWICI-CELADON CO  
 SCALE 3" EQUAL 1'-0"



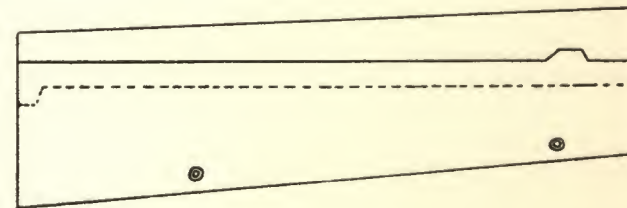
END VIEW



SKETCH



PLAN

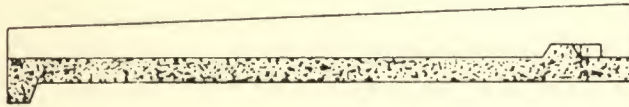


SIDE VIEW

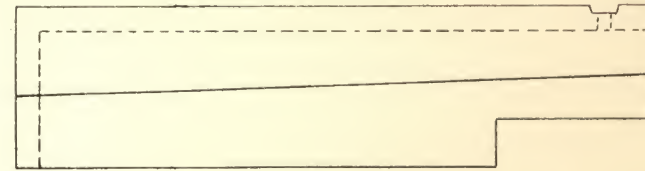




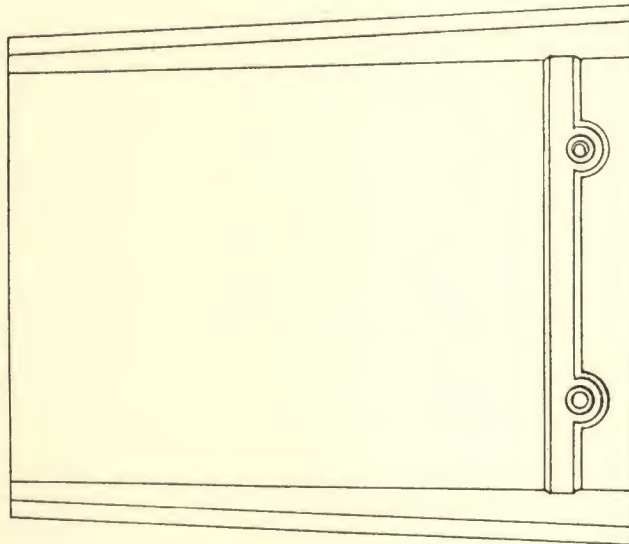
*"IMPERIAL" GREEK TILE HEXAGON COVER*  
*LUDOWICI-CELADON CO.*  
*SCALE 3" EQUAL 1'-0."*



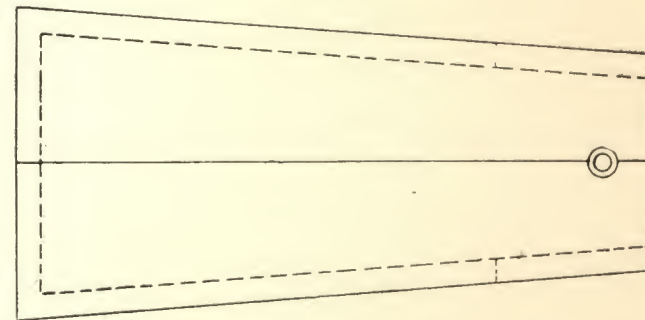
*SECTION OF PAN*



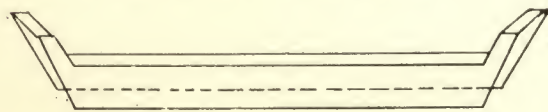
*SIDE VIEW OF COVER*



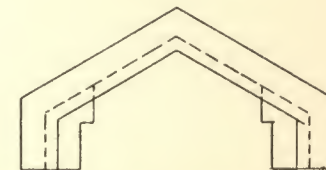
*PLAN OF PAN*



*PLAN OF COVER*



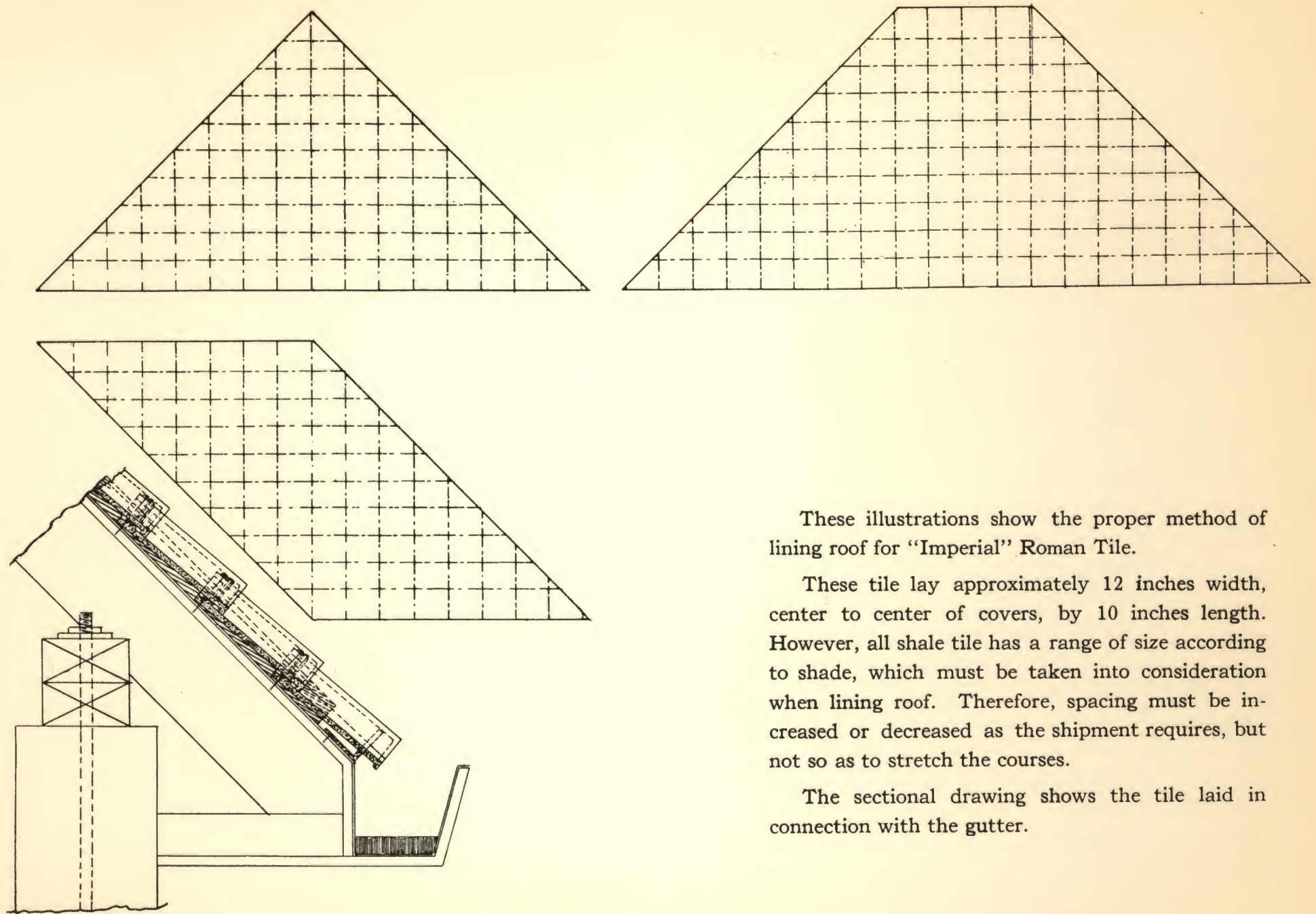
*END VIEW OF PAN*



*END VIEW OF COVER*







These illustrations show the proper method of lining roof for "Imperial" Roman Tile.

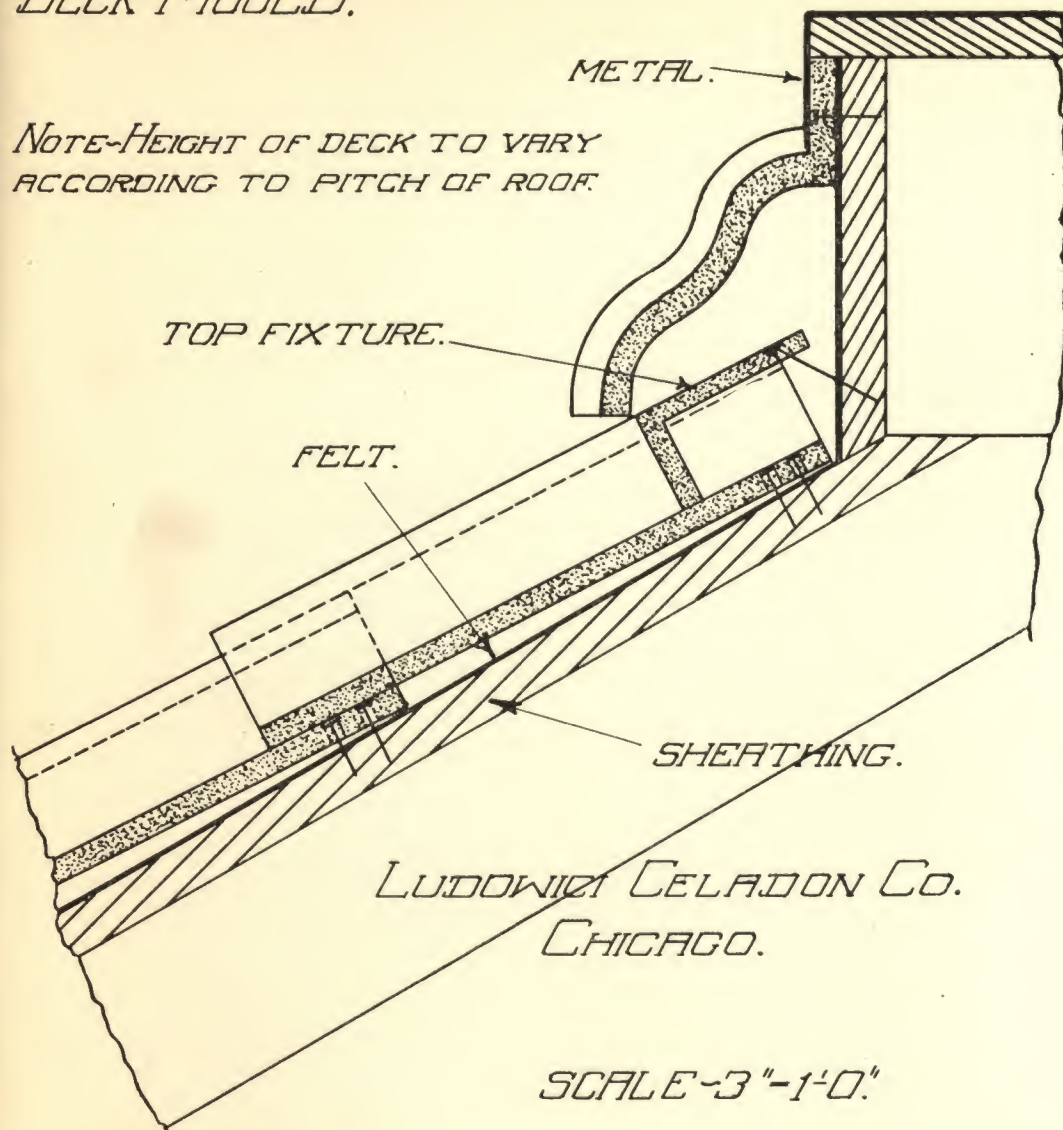
These tile lay approximately 12 inches width, center to center of covers, by 10 inches length. However, all shale tile has a range of size according to shade, which must be taken into consideration when lining roof. Therefore, spacing must be increased or decreased as the shipment requires, but not so as to stretch the courses.

The sectional drawing shows the tile laid in connection with the gutter.

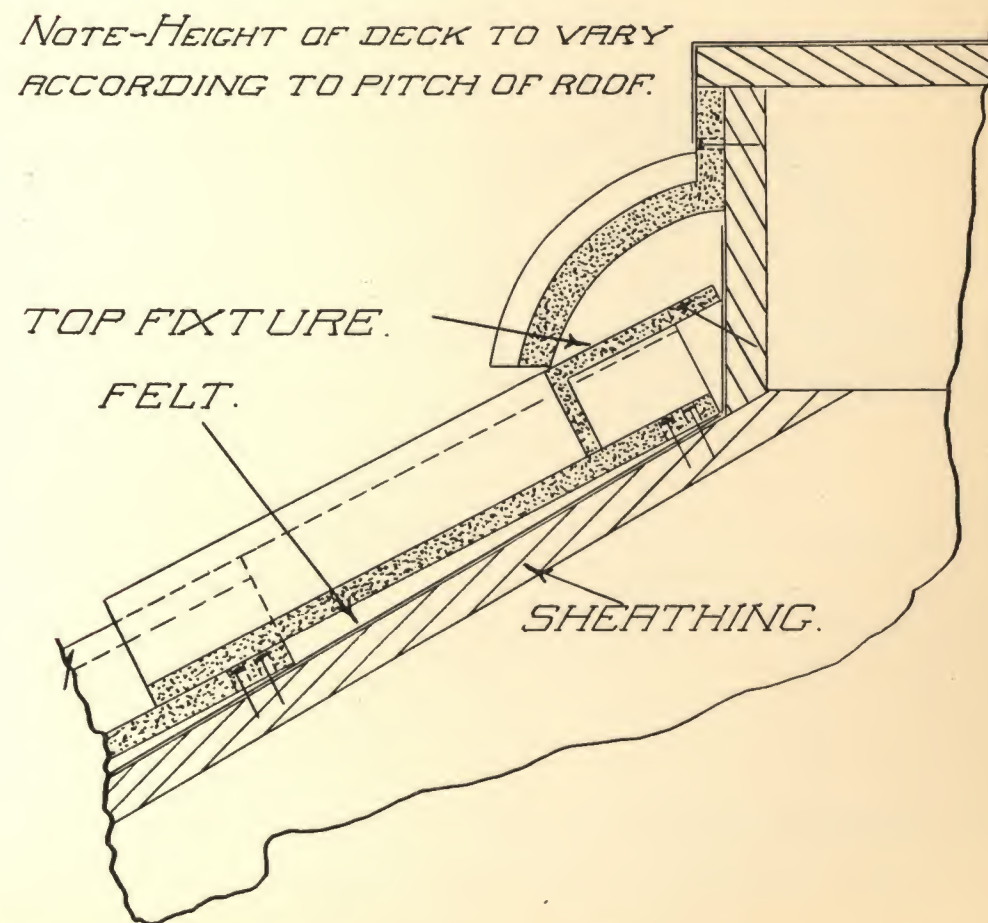




*DETAIL SHOWING DECK CONSTRUCTION  
FOR "IMPERIAL" SPANISH TILE AND No. 206  
DECK MOULD.*



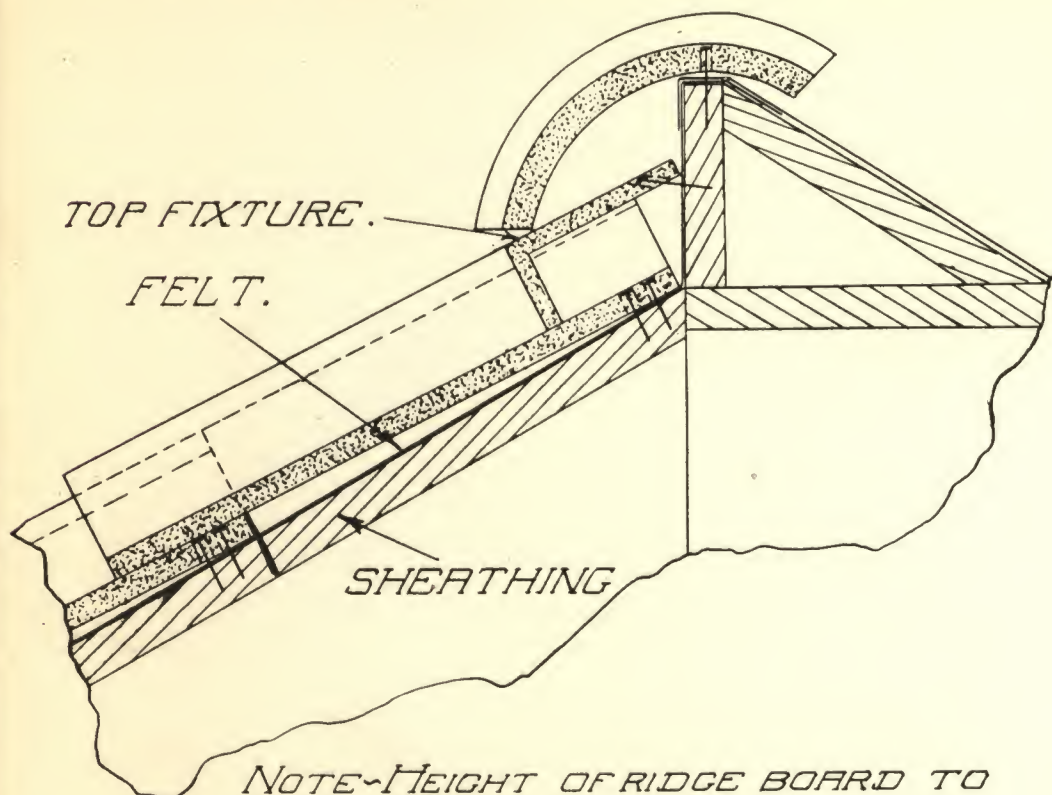
*DETAIL SHOWING DECK CONSTRUCTION  
FOR "IMPERIAL" SPANISH TILE AND N<sup>o</sup>  
215 DECK MOULD.*







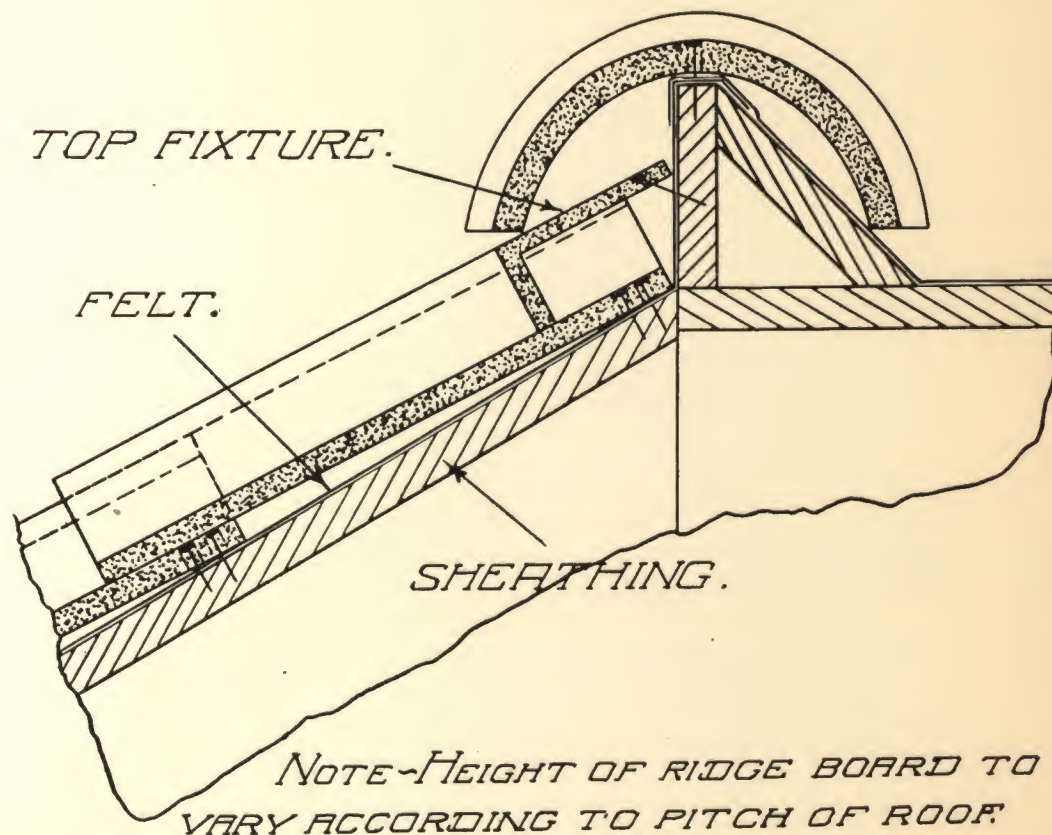
DETAIL SHOWING DECK CONSTRUCTION FOR  
 "IMPERIAL" SPANISH TILE AND N<sup>o</sup> 215  
 DECK MOULD CUT OFF RIDGE TYPE.



NOTE~HEIGHT OF RIDGE BOARD TO  
 VARY ACCORDING TO PITCH OF ROOF.

LUDOWICI CELADON Co. SCALE 3"-1'-0."

DETAIL SHOWING DECK CONSTRUCTION FOR  
 "IMPERIAL" SPANISH TILE AND N<sup>o</sup> 215 RIDGE.  
 LUDOWICI CELADON Co. SCALE 3"-1'-0."

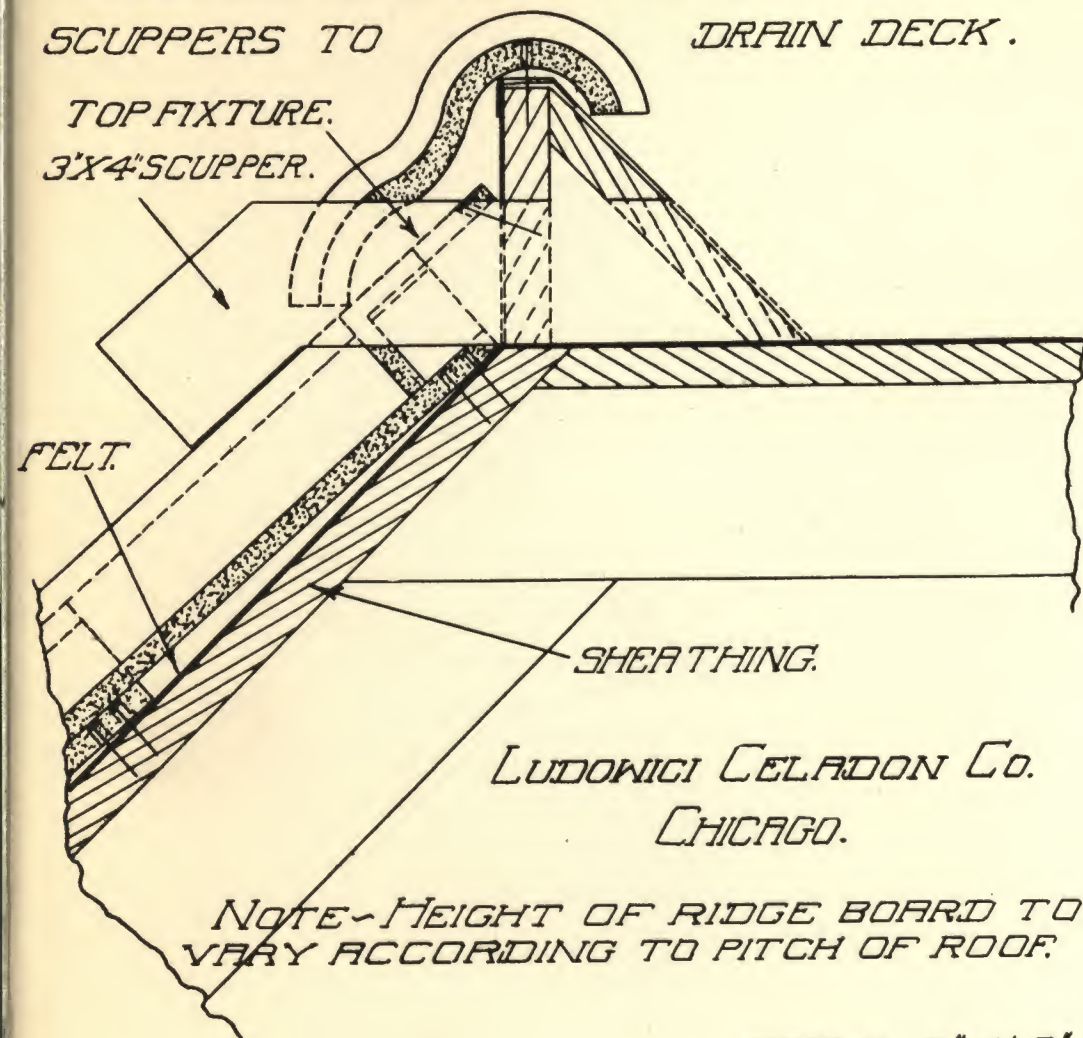


NOTE~HEIGHT OF RIDGE BOARD TO  
 VARY ACCORDING TO PITCH OF ROOF.





DETAIL SHOWING DECK CONSTRUCTION FOR  
 "IMPERIAL" SPANISH TILE AND N<sup>o</sup> 206 DECK  
 MOULD CUT OFF RIDGE TYPE USING 3" X 4"  
 SCUPPERS TO DRAIN DECK.

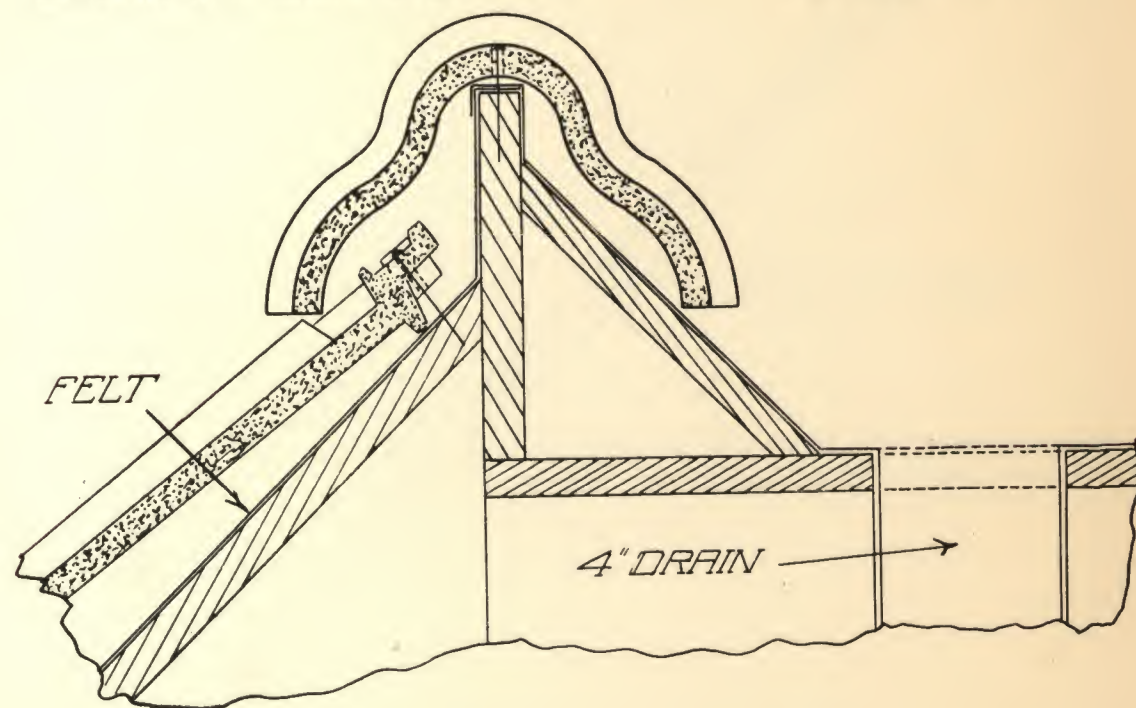


LUDOWICI CELADON Co.  
 CHICAGO.

NOTE - HEIGHT OF RIDGE BOARD TO  
 VARY ACCORDING TO PITCH OF ROOF.

SCALE 3" = 1'-0"

DETAIL OF "IMPERIAL" GERMAN TILE WITH  
 N<sup>o</sup> 206 RIDGE AND SUNKEN DECK.  
 LUDOWICI CELADON Co. SCALE 3" = 1'-0"



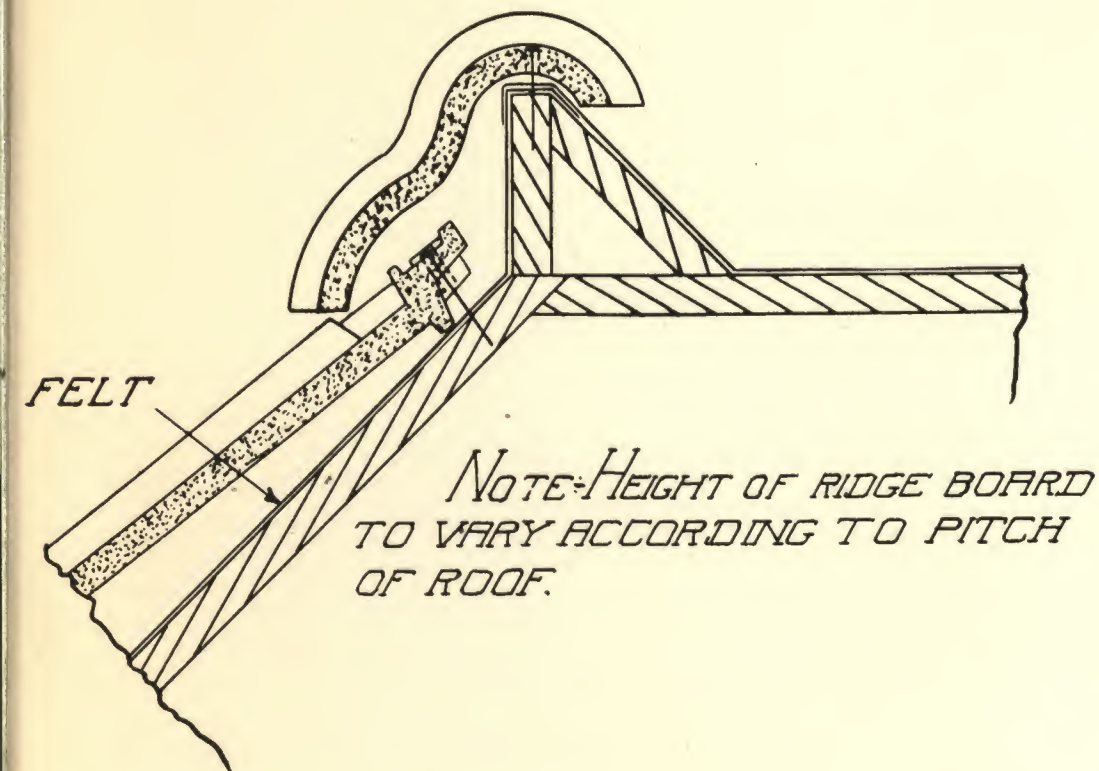
NOTE HEIGHT OF RIDGE BOARD REQUIRED, TO  
 VARY ACCORDING TO PITCH OF ROOF.



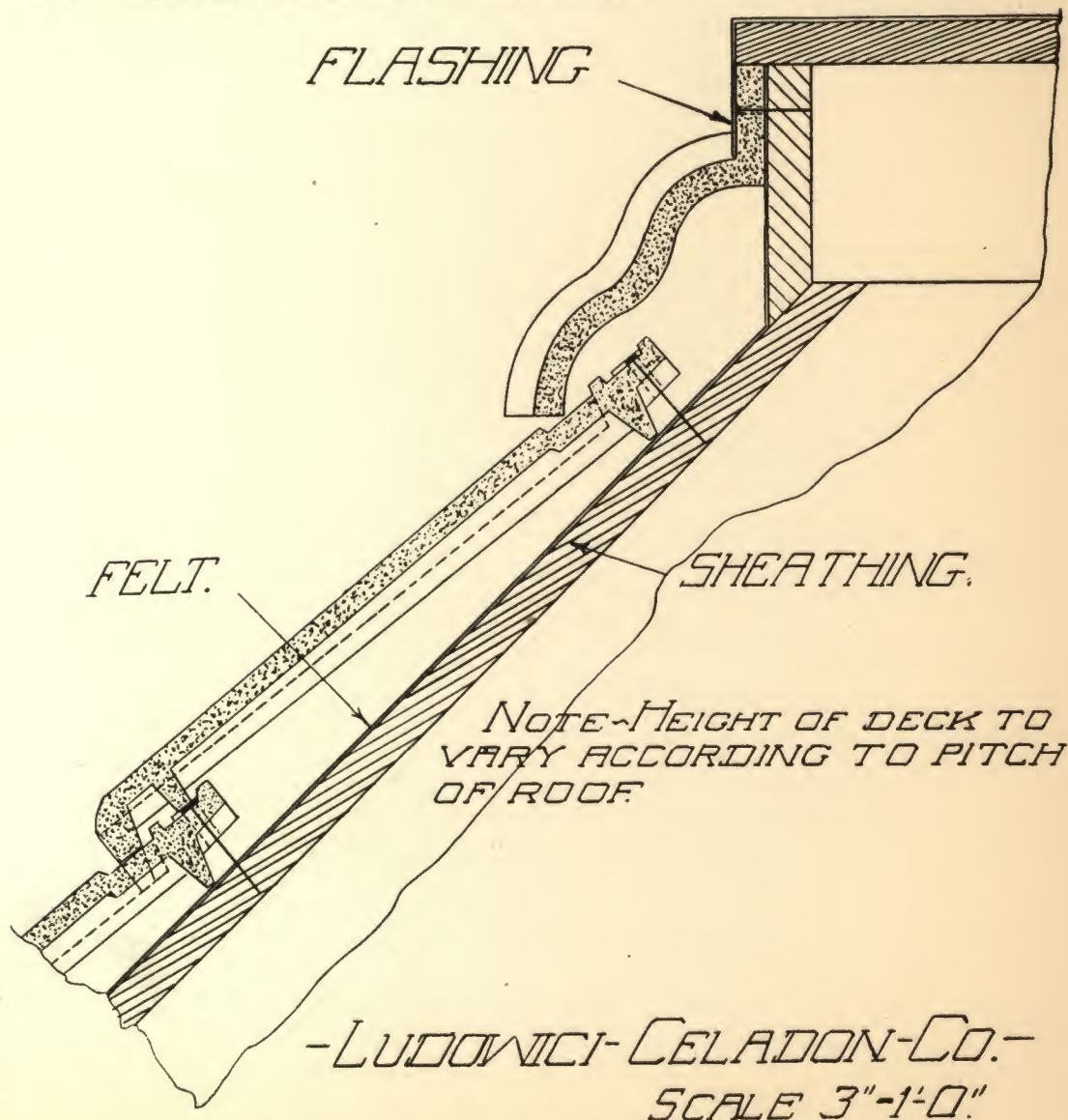


DETAIL OF "IMPERIAL" GERMAN TILE WITH  
Nº 206 DECK MOULD CUT OFF RIDGE TYPE  
AND SUNKEN DECK.

LUDOWICI CELADON CO. SCALE 3"=1'-0."



DETAIL OF "IMPERIAL" GERMAN TILE WITH  
Nº 206 DECK MOULD.



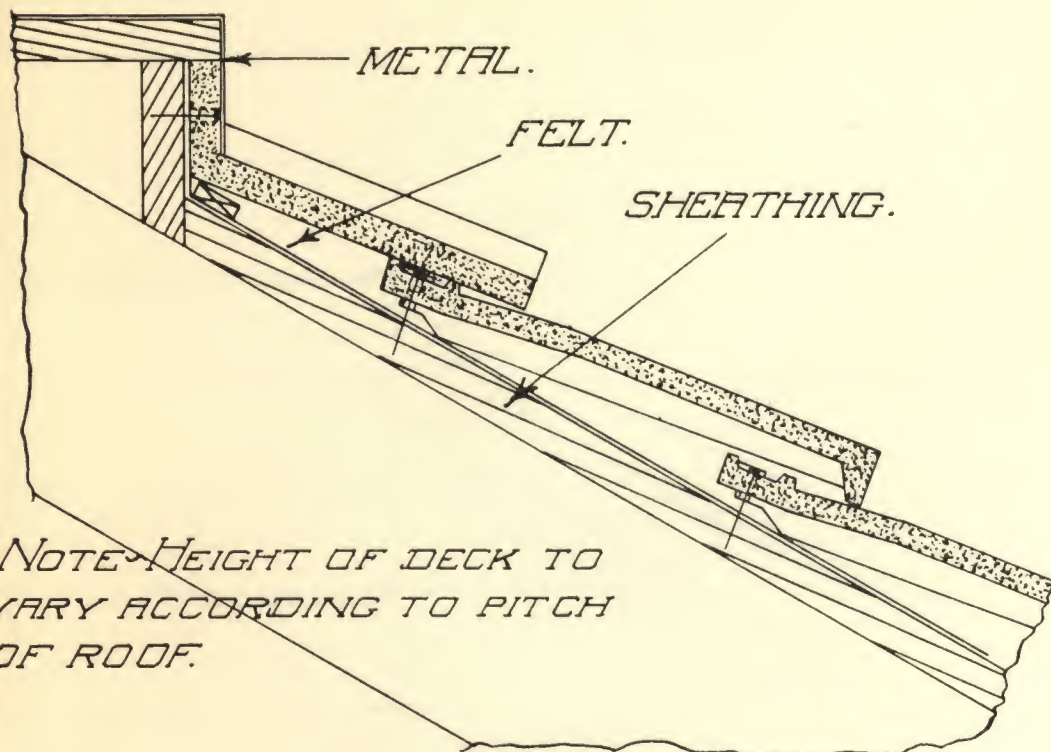


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DETAIL SHOWING DECK CONSTRUCTION FOR  
"IMPERIAL" CLOSED SHINGLE TILE AND  
No. 203 DECK MOULD.

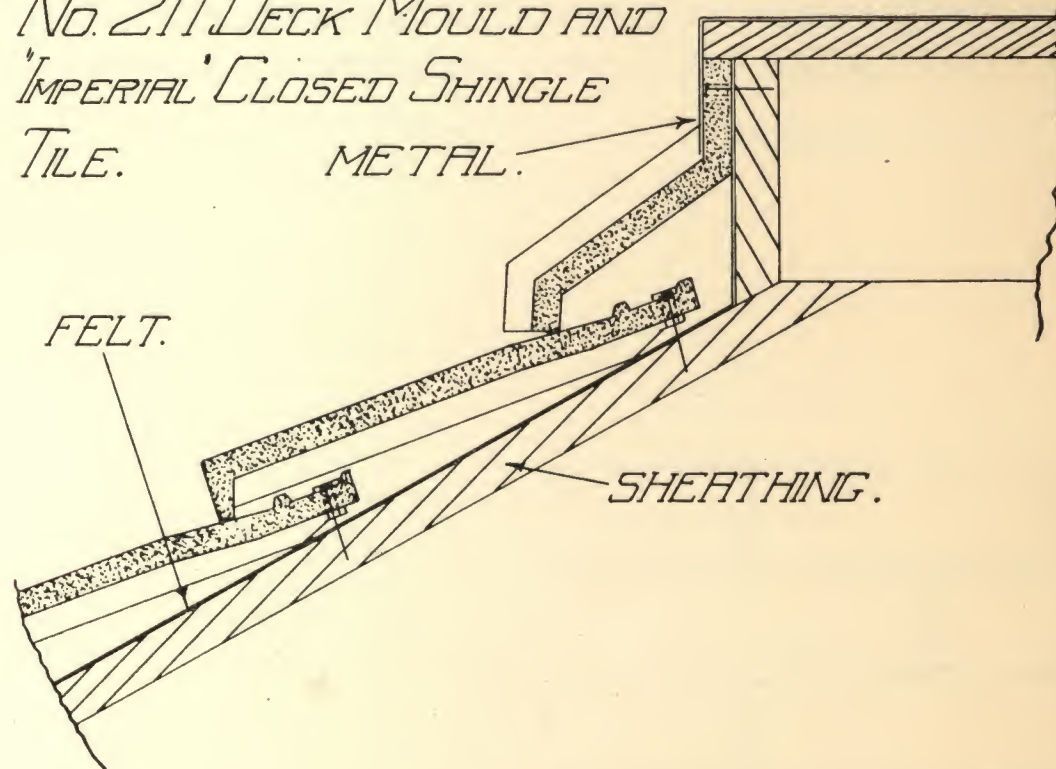


NOTE - HEIGHT OF DECK TO  
VARY ACCORDING TO PITCH  
OF ROOF.

LUDOWICI CELADON Co.  
CHICAGO.

SCALE 3"-1'-0"

DETAIL SHOWING DECK CONSTRUCTION FOR  
No. 211 DECK MOULD AND  
'IMPERIAL' CLOSED SHINGLE  
TILE.



NOTE - HEIGHT OF DECK TO VARY  
ACCORDING TO PITCH OF ROOF.

LUDOWICI CELADON Co

SCALE 3"-1'-0"

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Handwritten text located below the main drawing, possibly a caption or description.

Handwritten text located below the main drawing, possibly a caption or description.

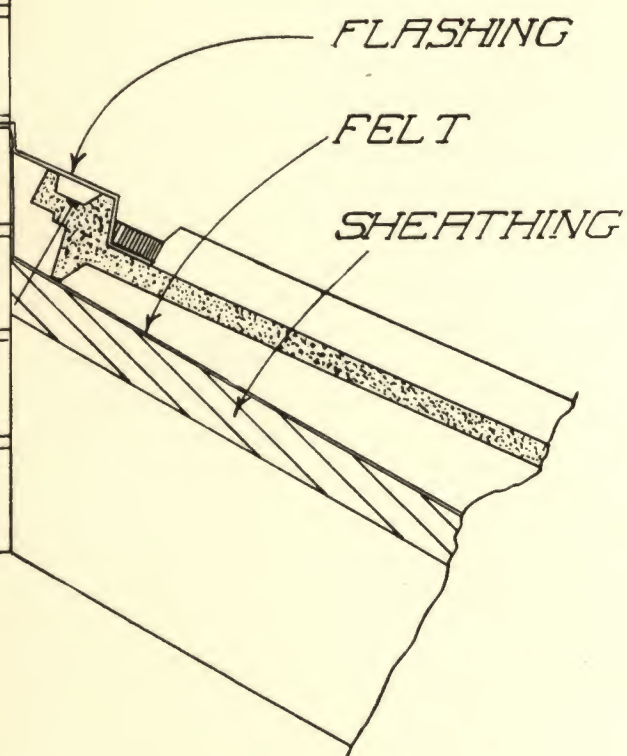
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DETAIL SHOWING METHOD OF  
FLASHING AT BASE OF DORMERS  
AND AGAINST BRICK WALLS.

LUDOWICI CELADON CO.

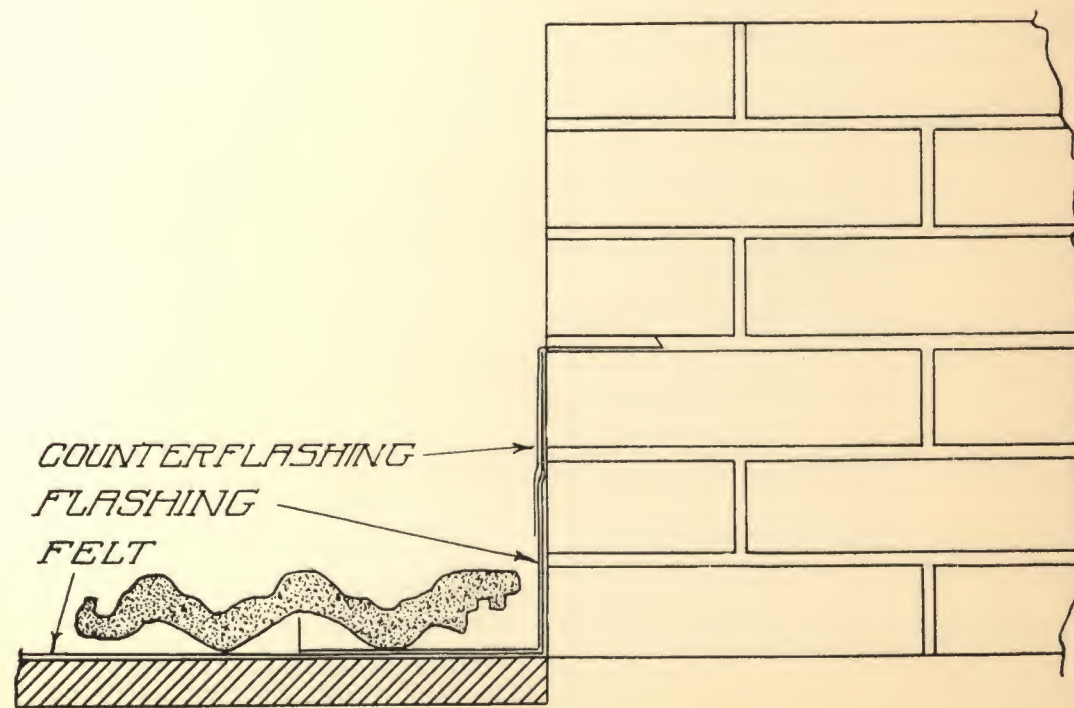
SCALE 3"-1'-0"



DETAIL SHOWING METHOD OF FLASHING AGAINST  
PERPENDICULAR WALL FOR INTERLOCKING TILE

LUDOWICI CELADON CO

SCALE 3"-1'-0"

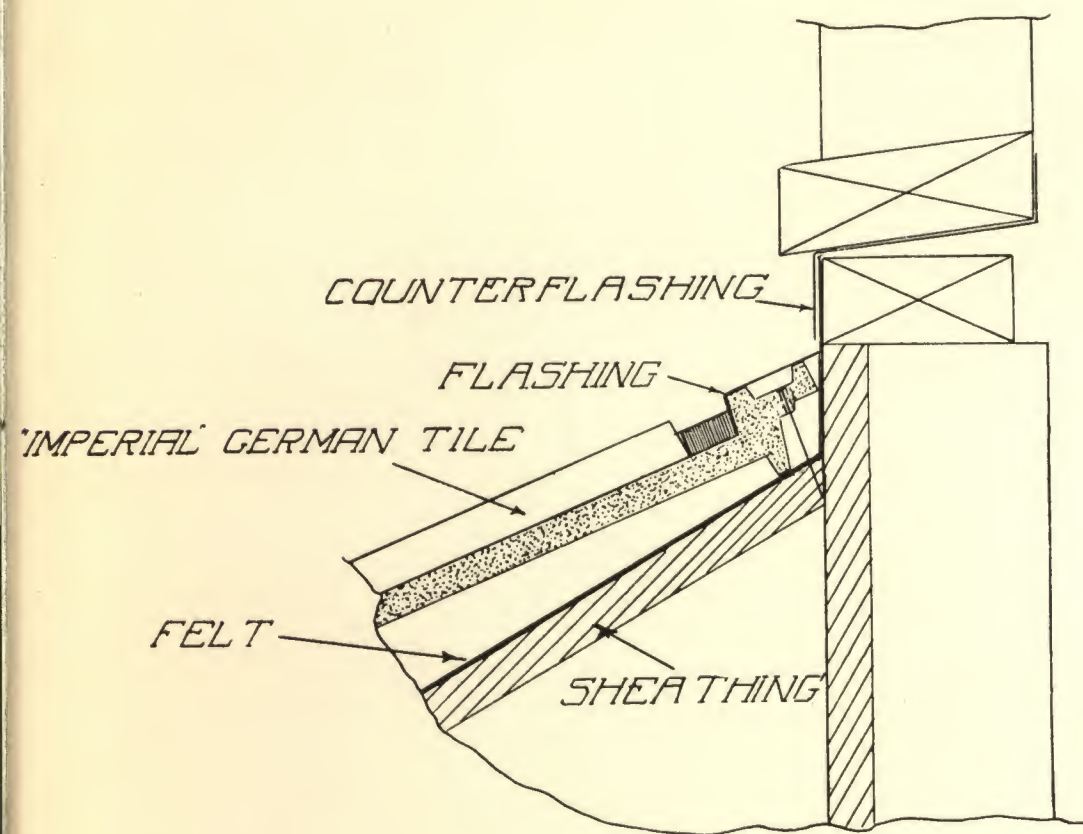






DETAIL OF FLASHING FOR DORMER WINDOW.

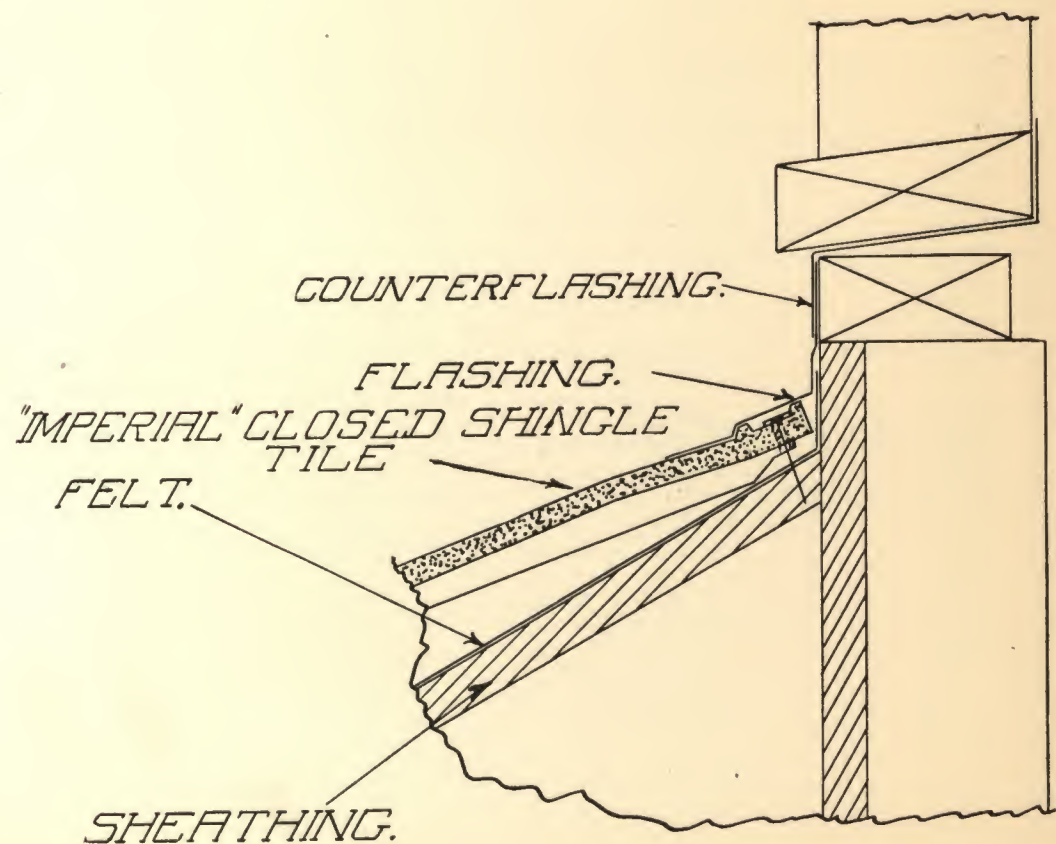
LUDOWICI-CELADON CO SCALE 3"-1'-0"



NOTE-METHOD SAME FOR ALL PATTERNE OF TILE.

DETAIL OF FLASHING FOR DORMER WINDOW.

LUDOWICI CELADON CO. SCALE 3"-1'-0"



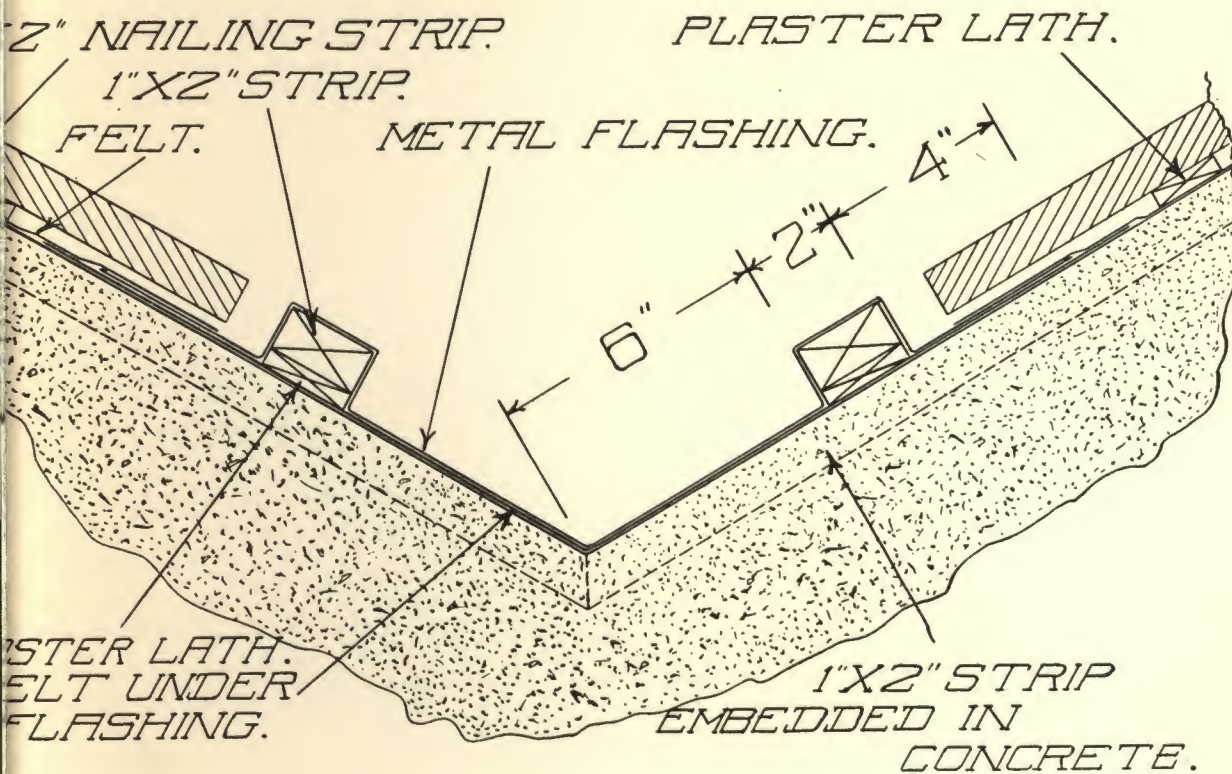




DETAIL SHOWING METHOD OF FLASHING  
VALLEY ON CONCRETE ROOF BASE.

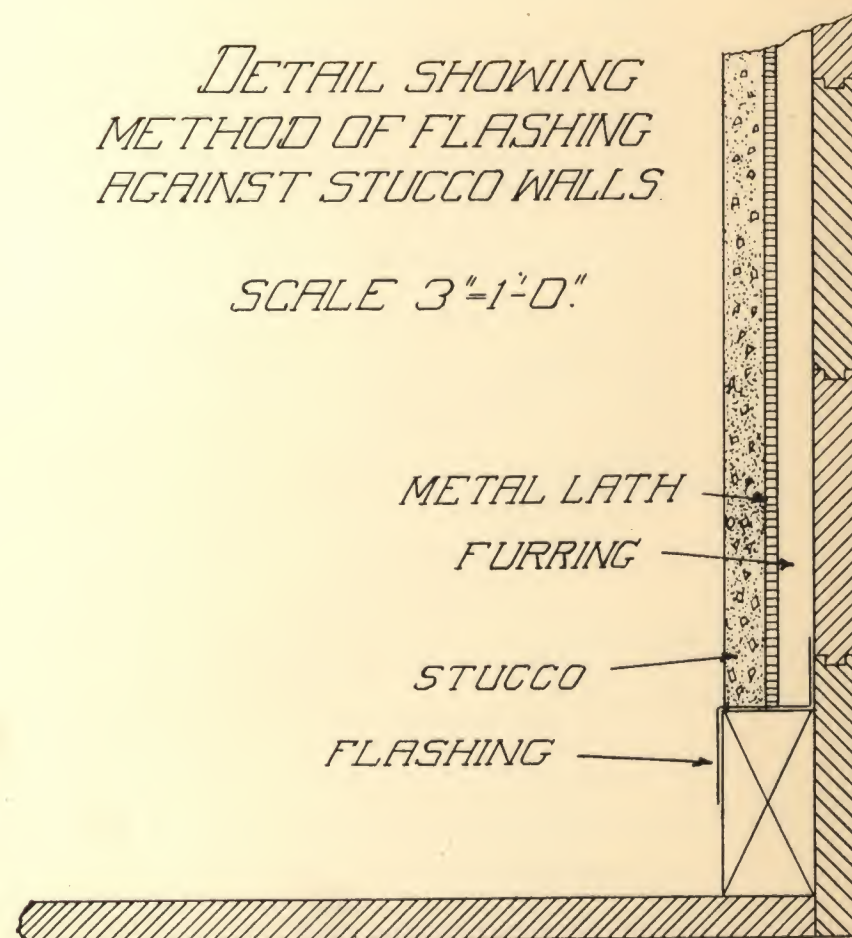
UDOWICI CELADON Co.

SCALE 3"-1'-0."



DETAIL SHOWING  
METHOD OF FLASHING  
AGAINST STUCCO WALLS

SCALE 3"-1'-0."



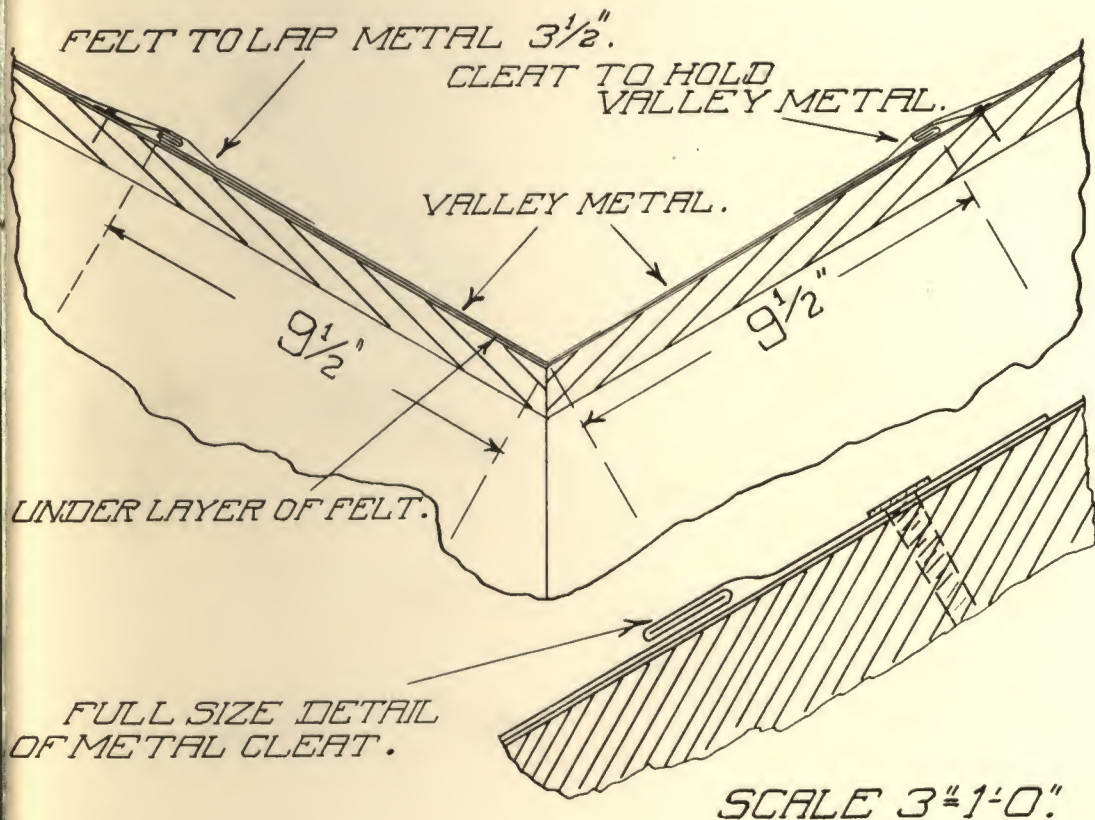




## DETAIL OF VALLEY METAL.

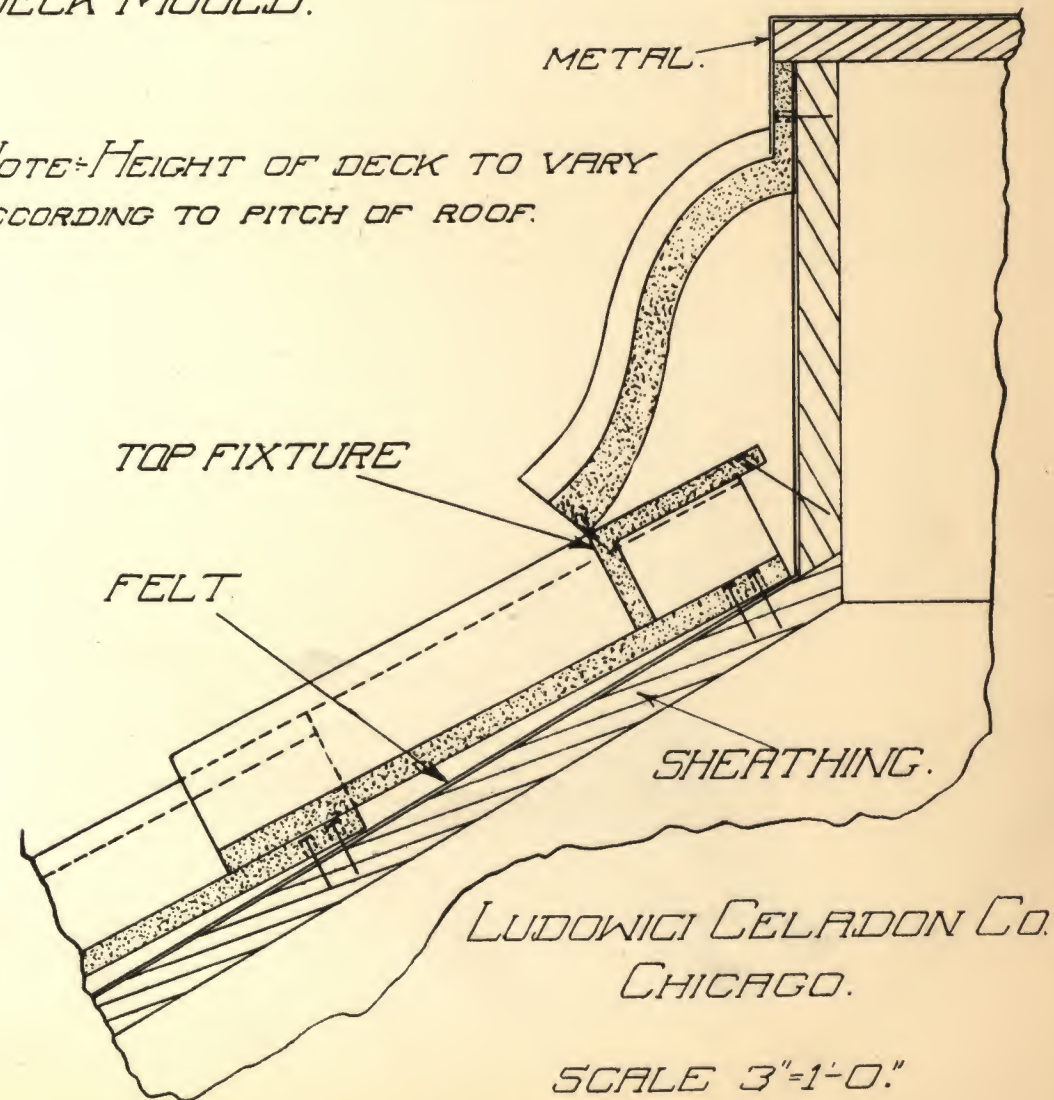
MINIMUM WIDTH OF METAL 20 INCHES.  
VALLEYS MORE THAN 20 FT. LONG OR  
WHEN DISCHARGE OF WATER GREAT  
METAL TO BE WIDENED ACCORDINGLY.

LUDOWICI CELADON Co.



## DETAIL SHOWING DECK CONSTRUCTION FOR "IMPERIAL" SPANISH TILE AND No. 213 DECK MOULD.

NOTE: HEIGHT OF DECK TO VARY  
ACCORDING TO PITCH OF ROOF.







DETAIL SHOWING METHOD OF  
FLASHING INTERLOCKING TILE IN  
CONNECTION WITH SIDING TILE.

LUDOWICI CELADON CO.  
FELT

FLASHING

FELT

SHEATHING

SCALE 3"=1'-0"

DETAIL SHOWING METHOD OF FLASHING AGAINST  
PERPENDICULAR WALLS FOR INTERLOCKING & SPANISH  
TILES.

FELT

SHEATHING

FLASHING

COUNTERFLASHING

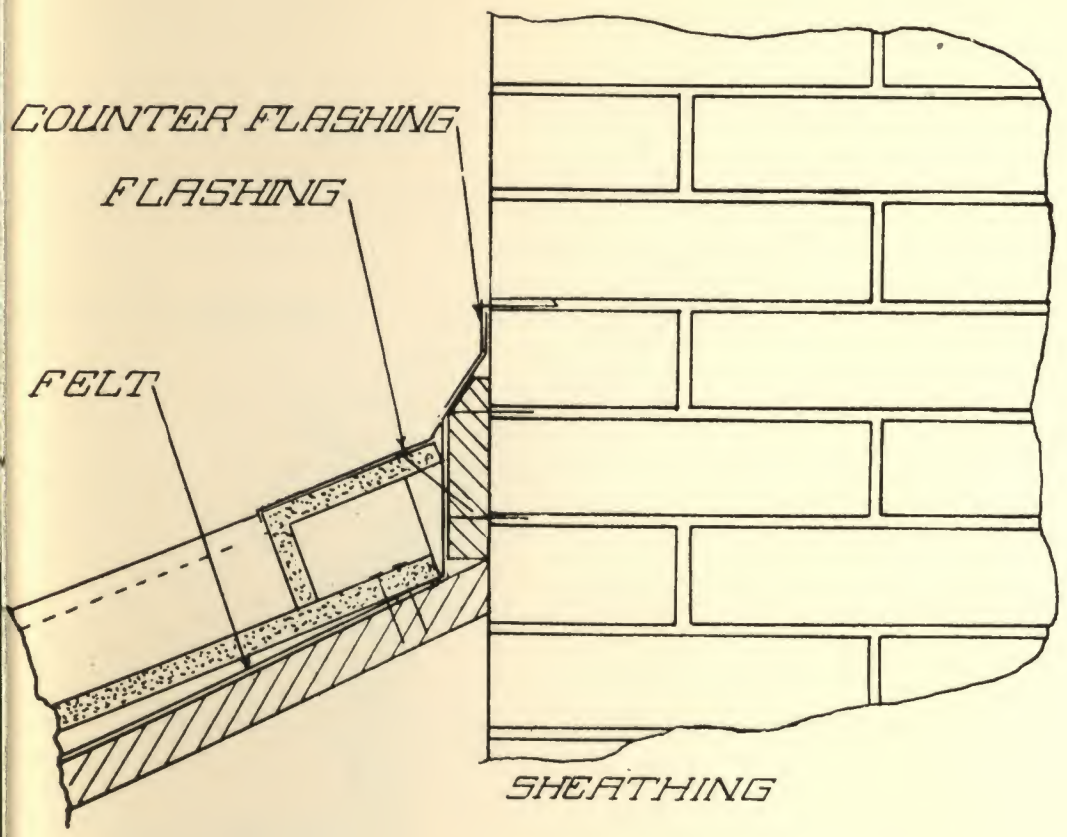
LUDOWICI CELADON CO.

SCALE 3"=1'-0"





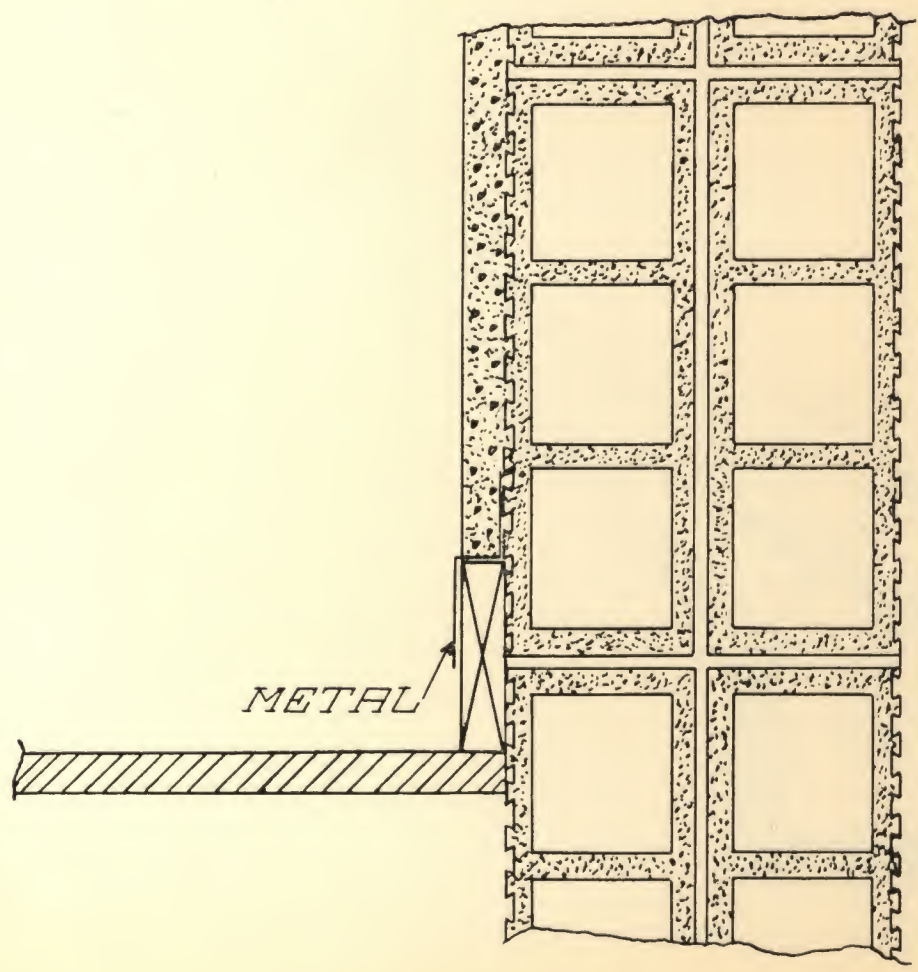
*DETAIL SHOWING METHOD OF FLASHING TOP  
OF IMPERIAL SPANISH TILE AGAINST  
BRICK WALLS*



*LUDOWICI-CELADON Co.*

*SCALE 3" 1'-0"*

*DETAIL SHOWING METHOD OF FLASHING  
UNDER STUCCO AGAINST HOLLOW TILE  
LUDOWICI-CELADON Co. SCALE 3"-1'-0"*

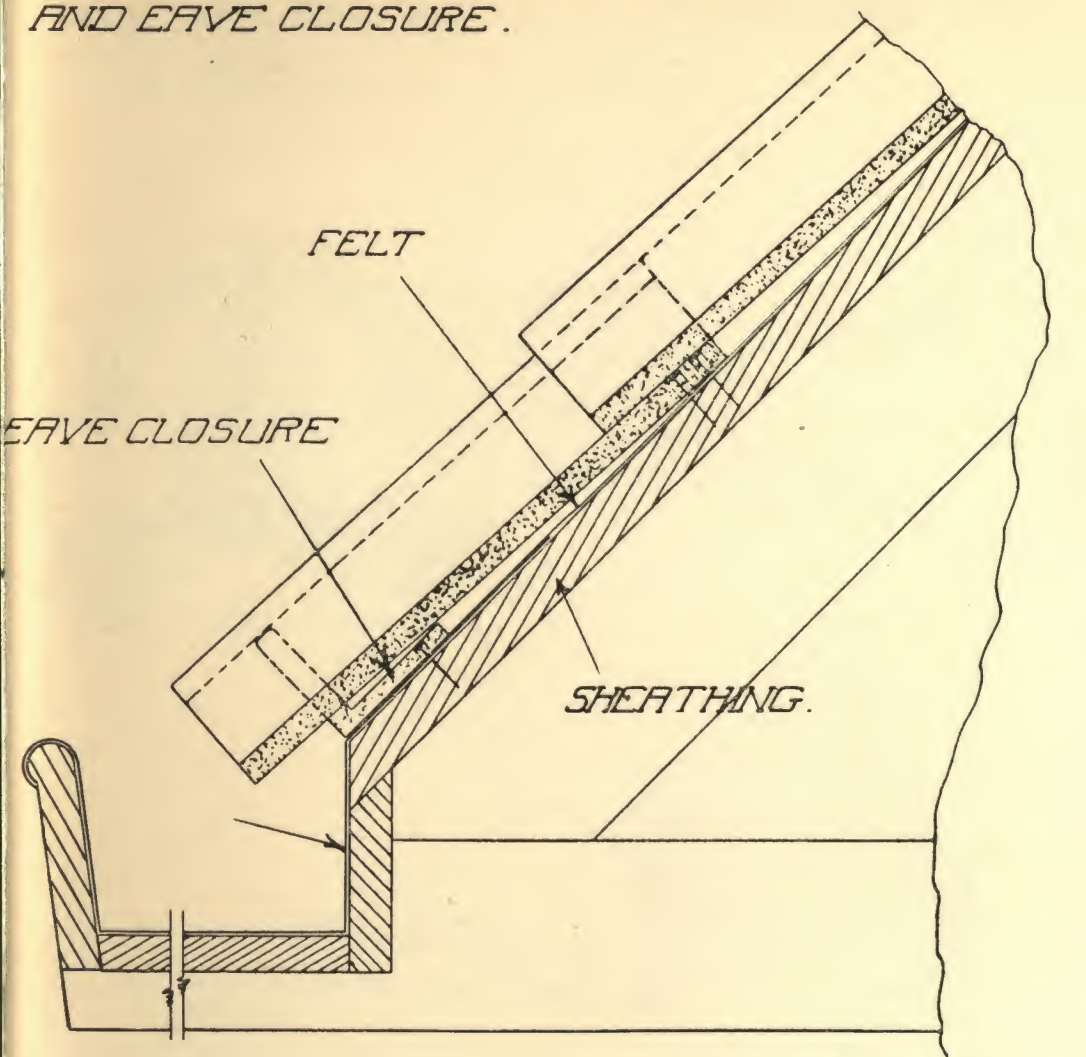


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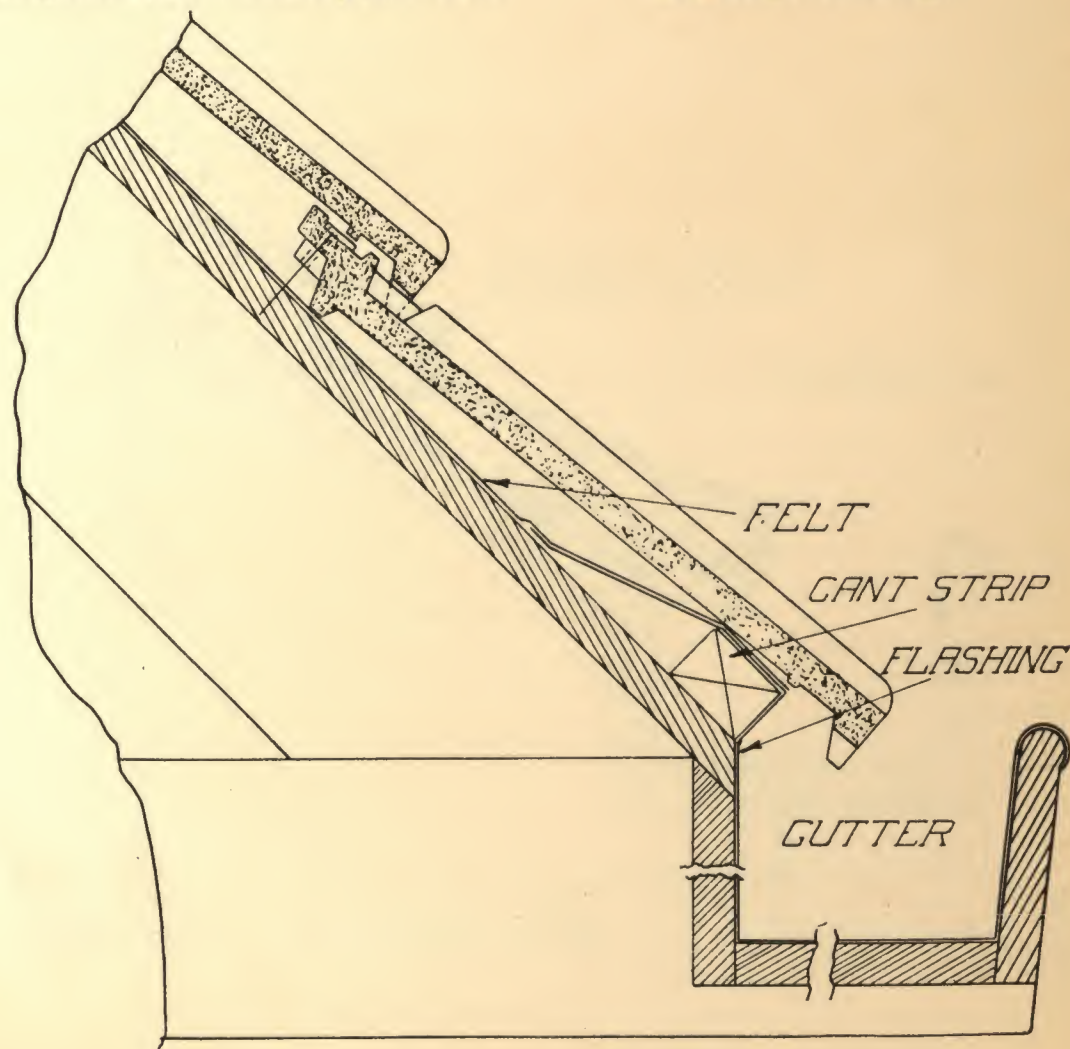
DETAIL THRU GUTTER SHOWING GUTTER  
FLASHING WITH "IMPERIAL" SPANISH TILE  
AND EAVE CLOSURE.



LUDOWICI CELADON CO.

SCALE 3/4"=1'-0"

DETAIL THRU GUTTER SHOWING CANT STRIP AND  
GUTTER METAL UNDER "IMPERIAL" GERMAN TILE.  
LUDOWICI CELADON CO SCALE 3/4"=1'-0"



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LIBRARY  
1915

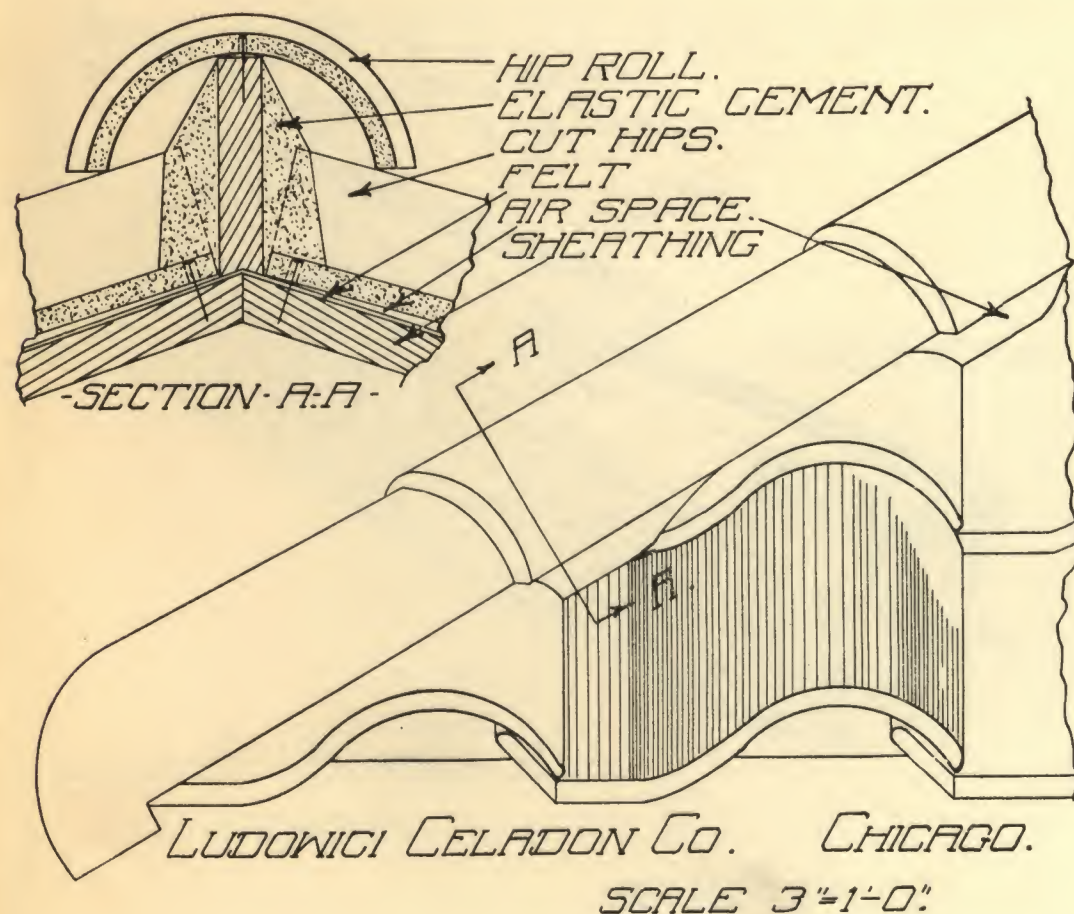
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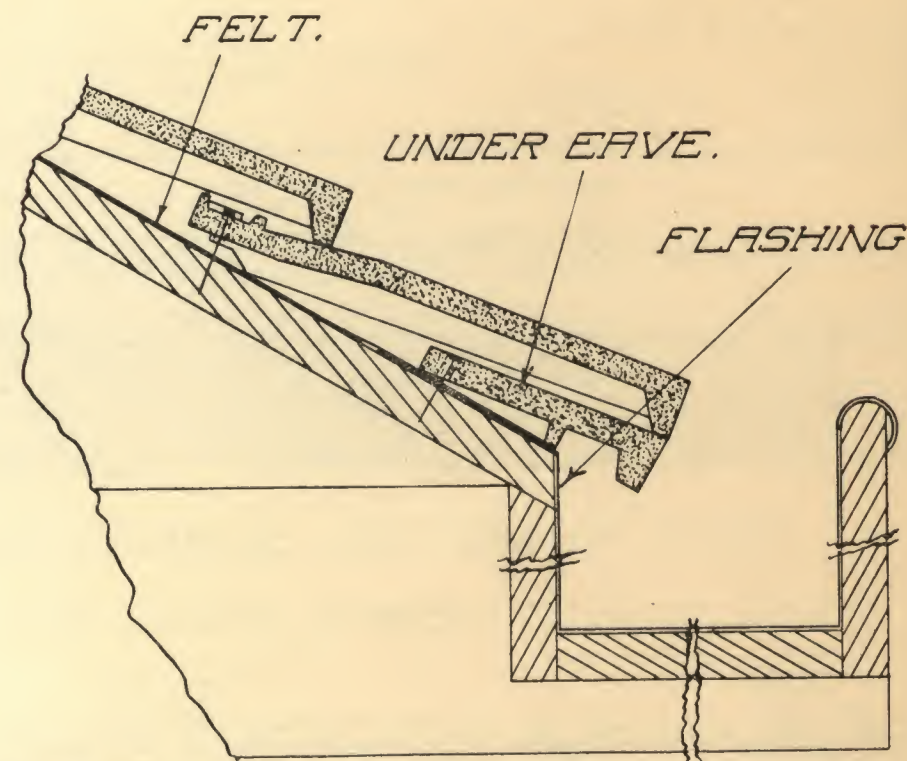
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DETAIL SHOWING APPEARANCE OF "IMPERIAL"  
SPANISH TILE AND No.102 Hip Roll WHEN  
LAID UP, ALSO METHOD OF POINTING CUT  
HIPS WITH ELASTIC CEMENT



DETAIL THRU GUTTER SHOWING GUTTER  
FLASHING WITH "IMPERIAL" CLOSED SHINGLE  
TILE AND UNDER EAVE.



LUDOWICI CELADON Co.

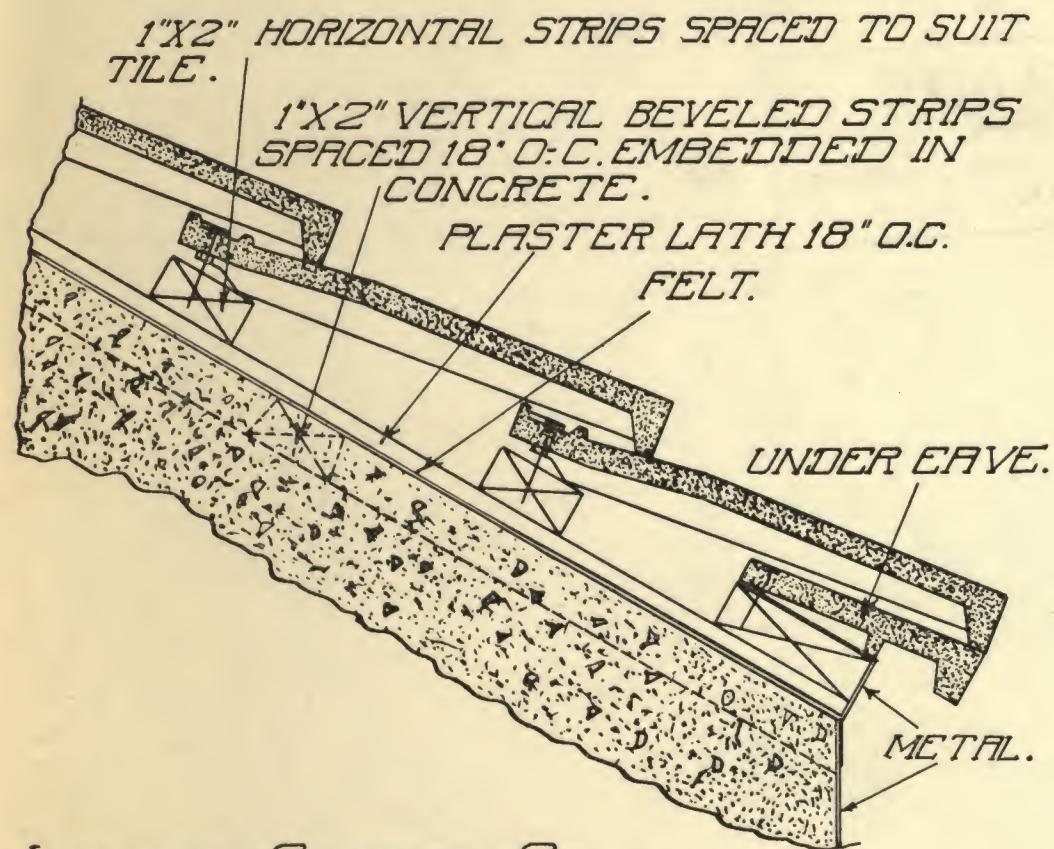
SCALE 3"=1'-0"







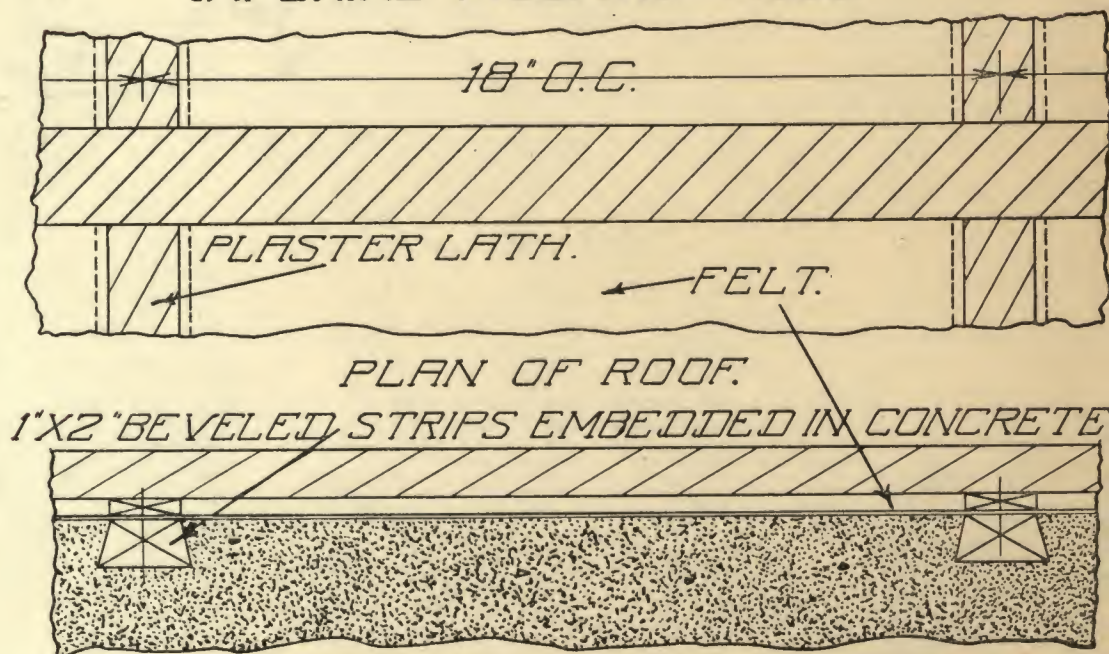
DETAIL SHOWING METHOD OF SPACING  
STRIPS ON CONCRETE ROOF BASE FOR  
"IMPERIAL" CLOSED SHINGLE TILE.



LUDOWICI CELADON Co.  
CHICAGO.

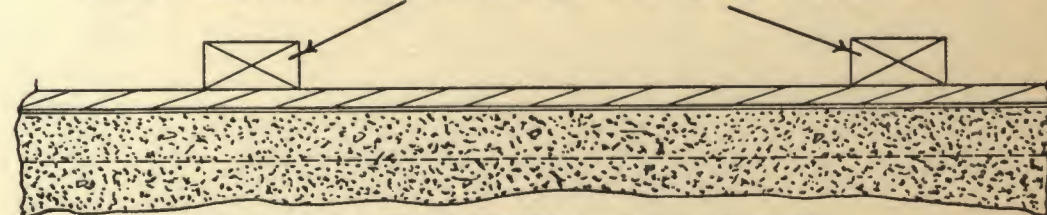
SCALE 3"-1'-0"

DETAIL SHOWING METHOD OF SPACING  
STRIPS ON CONCRETE ROOF BASE FOR  
"IMPERIAL" ROOFING TILES



LONGITUDINAL SECTION OF ROOF.

1"X2" STRIPS SPACED TO SUIT TILE.



CROSS SECTION OF ROOF.

LUDOWICI CELADON Co. SCALE-3"-1'-0"



**HORACE WHITE,**  
**TILE ROOFING**  
848 HOWARD AVE.      PHONE MAIN 2771  
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